

ATOM	2272	CG	TYR	237	-6.746	-14.925	-0.413	1.00	-0.05
ATOM	2273	CD1	TYR	237	-6.955	-14.018	0.635	1.00	-0.07
ATOM	2274	CD2	TYR	237	-6.451	-14.418	-1.684	1.00	-0.07
ATOM	2275	CE1	TYR	237	-6.949	-12.641	0.399	1.00	-0.04
ATOM	2276	CE2	TYR	237	-6.402	-13.040	-1.911	1.00	-0.04
ATOM	2277	CZ	TYR	237	-6.665	-12.141	-0.876	1.00	0.08
ATOM	2278	OH	TYR	237	-6.633	-10.767	-1.131	1.00	-0.34
ATOM	2279	H	TYR	237	-5.119	-16.052	1.678	1.00	0.19
ATOM	2280	HA	TYR	237	-7.946	-16.582	1.609	1.00	0.08
ATOM	2281	HB1	TYR	237	-7.692	-16.804	-0.847	1.00	0.05
ATOM	2282	HB2	TYR	237	-5.926	-16.903	-0.681	1.00	0.05
ATOM	2283	HD1	TYR	237	-7.129	-14.355	1.649	1.00	0.05
ATOM	2284	HD2	TYR	237	-6.259	-15.098	-2.508	1.00	0.05
ATOM	2285	HE1	TYR	237	-7.165	-11.961	1.216	1.00	0.05
ATOM	2286	HE2	TYR	237	-6.159	-12.659	-2.895	1.00	0.05
ATOM	2287	HH	TYR	237	-6.667	-10.230	-0.348	1.00	0.25
ATOM	2288	N	GLY	238	-5.969	-19.202	1.130	1.00	-0.27
ATOM	2289	CA	GLY	238	-6.035	-20.656	1.252	1.00	0.12
ATOM	2290	C	GLY	238	-6.620	-21.071	2.582	1.00	0.20
ATOM	2291	O	GLY	238	-7.436	-21.979	2.616	1.00	-0.39
ATOM	2292	H	GLY	238	-5.072	-18.757	1.012	1.00	0.19
ATOM	2293	HA1	GLY	238	-6.655	-21.062	0.437	1.00	0.08
ATOM	2294	HA2	GLY	238	-5.033	-21.105	1.179	1.00	0.08
ATOM	2295	N	LEU	239	-6.221	-20.435	3.705	1.00	-0.26
ATOM	2296	CA	LEU	239	-6.816	-20.796	4.989	1.00	0.13
ATOM	2297	C	LEU	239	-8.291	-20.465	4.973	1.00	0.20
ATOM	2298	O	LEU	239	-9.080	-21.263	5.449	1.00	-0.39
ATOM	2299	CB	LEU	239	-6.203	-20.071	6.221	1.00	-0.01
ATOM	2300	CG	LEU	239	-4.679	-20.304	6.452	1.00	-0.04
ATOM	2301	CD1	LEU	239	-4.256	-19.635	7.791	1.00	-0.06
ATOM	2302	CD2	LEU	239	-4.295	-21.810	6.469	1.00	-0.06
ATOM	2303	H	LEU	239	-5.551	-19.688	3.659	1.00	0.19
ATOM	2304	HA	LEU	239	-6.728	-21.882	5.135	1.00	0.08
ATOM	2305	HB2	LEU	239	-6.745	-20.416	7.117	1.00	0.03
ATOM	2306	HB1	LEU	239	-6.385	-18.989	6.115	1.00	0.03
ATOM	2307	HG	LEU	239	-4.106	-19.817	5.647	1.00	0.03
ATOM	2308	HD13	LEU	239	-4.561	-18.578	7.804	1.00	0.02
ATOM	2309	HD12	LEU	239	-3.164	-19.683	7.923	1.00	0.02
ATOM	2310	HD11	LEU	239	-4.733	-20.142	8.644	1.00	0.02
ATOM	2311	HD23	LEU	239	-4.921	-22.358	7.189	1.00	0.02
ATOM	2312	HD22	LEU	239	-3.240	-21.931	6.759	1.00	0.02
ATOM	2313	HD21	LEU	239	-4.417	-22.260	5.472	1.00	0.02
ATOM	2314	N	ILE	240	-8.695	-19.293	4.443	1.00	-0.26
ATOM	2315	CA	ILE	240	-10.115	-18.946	4.429	1.00	0.13
ATOM	2316	C	ILE	240	-10.860	-19.964	3.601	1.00	0.20
ATOM	2317	O	ILE	240	-11.881	-20.460	4.048	1.00	-0.39
ATOM	2318	CB	ILE	240	-10.357	-17.510	3.872	1.00	0.00
ATOM	2319	CG1	ILE	240	-9.820	-16.445	4.880	1.00	-0.05
ATOM	2320	CG2	ILE	240	-11.865	-17.291	3.550	1.00	-0.06
ATOM	2321	CD1	ILE	240	-9.518	-15.075	4.214	1.00	-0.06
ATOM	2322	H	ILE	240	-8.027	-18.668	4.031	1.00	0.19
ATOM	2323	HA	ILE	240	-10.511	-18.996	5.457	1.00	0.08
ATOM	2324	HB	ILE	240	-9.805	-17.419	2.923	1.00	0.03
ATOM	2325	HG12	ILE	240	-8.882	-16.786	5.346	1.00	0.03
ATOM	2326	HG11	ILE	240	-10.550	-16.320	5.694	1.00	0.03
ATOM	2327	HG23	ILE	240	-12.196	-17.946	2.729	1.00	0.02
ATOM	2328	HG22	ILE	240	-12.069	-16.259	3.236	1.00	0.02
ATOM	2329	HG21	ILE	240	-12.478	-17.514	4.437	1.00	0.02

ATOM	2330	HD13ILE	240	-8.654	-15.165	3.541	1.00	0.02
ATOM	2331	HD12ILE	240	-9.283	-14.322	4.983	1.00	0.02
ATOM	2332	HD11ILE	240	-10.364	-14.705	3.625	1.00	0.02
ATOM	2333	N VAL	241	-10.383	-20.296	2.384	1.00	-0.26
ATOM	2334	CA VAL	241	-11.096	-21.302	1.595	1.00	0.13
ATOM	2335	C VAL	241	-11.044	-22.629	2.326	1.00	0.20
ATOM	2336	O VAL	241	-12.043	-23.328	2.390	1.00	-0.39
ATOM	2337	CB VAL	241	-10.517	-21.417	0.153	1.00	-0.01
ATOM	2338	CG1 VAL	241	-11.126	-22.628	-0.609	1.00	-0.06
ATOM	2339	CG2 VAL	241	-10.784	-20.110	-0.650	1.00	-0.06
ATOM	2340	H VAL	241	-9.526	-19.895	2.041	1.00	0.19
ATOM	2341	HA VAL	241	-12.158	-21.015	1.518	1.00	0.08
ATOM	2342	HB VAL	241	-9.427	-21.575	0.226	1.00	0.03
ATOM	2343	HG13VAL	241	-10.865	-23.578	-0.119	1.00	0.02
ATOM	2344	HG12VAL	241	-10.742	-22.665	-1.640	1.00	0.02
ATOM	2345	HG11VAL	241	-12.223	-22.543	-0.647	1.00	0.02
ATOM	2346	HG23VAL	241	-11.866	-19.955	-0.784	1.00	0.02
ATOM	2347	HG22VAL	241	-10.318	-20.172	-1.645	1.00	0.02
ATOM	2348	HG21VAL	241	-10.373	-19.227	-0.138	1.00	0.02
ATOM	2349	N ARG	242	-9.884	-23.018	2.895	1.00	-0.26
ATOM	2350	CA ARG	242	-9.826	-24.290	3.616	1.00	0.13
ATOM	2351	C ARG	242	-10.654	-24.247	4.888	1.00	0.20
ATOM	2352	O ARG	242	-11.116	-25.299	5.306	1.00	-0.39
ATOM	2353	CB ARG	242	-8.346	-24.661	3.914	1.00	-0.01
ATOM	2354	CG ARG	242	-8.155	-26.114	4.433	1.00	-0.02
ATOM	2355	CD ARG	242	-6.644	-26.467	4.567	1.00	0.06
ATOM	2356	NE ARG	242	-6.426	-27.860	4.978	1.00	-0.27
ATOM	2357	CZ ARG	242	-5.237	-28.406	5.119	1.00	0.29
ATOM	2358	NH1 ARG	242	-4.125	-27.741	4.920	1.00	-0.28
ATOM	2359	NH2 ARG	242	-5.153	-29.666	5.472	1.00	-0.28
ATOM	2360	HB2 ARG	242	-7.780	-24.554	2.974	1.00	0.03
ATOM	2361	HB1 ARG	242	-7.942	-23.948	4.648	1.00	0.03
ATOM	2362	HG2 ARG	242	-8.621	-26.817	3.723	1.00	0.03
ATOM	2363	HG1 ARG	242	-8.646	-26.230	5.412	1.00	0.03
ATOM	2364	HD2 ARG	242	-6.201	-25.776	5.305	1.00	0.07
ATOM	2365	HD1 ARG	242	-6.176	-26.302	3.581	1.00	0.07
ATOM	2366	HE ARG	242	-7.264	-28.436	5.151	1.00	0.26
ATOM	2367	HH21ARG	242	-5.995	-30.235	5.639	1.00	0.26
ATOM	2368	HH22ARG	242	-4.240	-30.129	5.591	1.00	0.26
ATOM	2369	HH11ARG	242	-4.128	-26.753	4.646	1.00	0.26
ATOM	2370	HH12ARG	242	-3.206	-28.193	5.034	1.00	0.26
ATOM	2371	H ARG	242	-9.066	-22.433	2.850	1.00	0.19
ATOM	2372	HA ARG	242	-10.250	-25.070	2.962	1.00	0.08
ATOM	2373	N ALA	243	-10.857	-23.064	5.516	1.00	-0.26
ATOM	2374	CA ALA	243	-11.673	-22.940	6.726	1.00	0.13
ATOM	2375	C ALA	243	-12.824	-21.990	6.490	1.00	0.25
ATOM	2376	O ALA	243	-13.070	-21.081	7.269	1.00	-0.33
ATOM	2377	CB ALA	243	-10.779	-22.484	7.909	1.00	-0.03
ATOM	2378	H ALA	243	-10.447	-22.217	5.166	1.00	0.19
ATOM	2379	HA ALA	243	-12.154	-23.884	7.008	1.00	0.08
ATOM	2380	HB3 ALA	243	-10.365	-21.484	7.710	1.00	0.03
ATOM	2381	HB2 ALA	243	-9.946	-23.192	8.039	1.00	0.03
ATOM	2382	HB1 ALA	243	-11.359	-22.442	8.844	1.00	0.03
TER	2383	ALA	243					
ATOM	2384	C ACE	259	-18.321	-16.785	-0.553	1.00	0.18
ATOM	2385	O ACE	259	-17.379	-16.012	-0.607	1.00	-0.40
ATOM	2386	CH3 ACE	259	-18.596	-17.516	0.734	1.00	0.03
ATOM	2387	H ACE	259	-18.544	-18.601	0.559	1.00	0.05

ATOM	2388	H	ACE	259	-19.599	-17.254	1.099	1.00	0.05
ATOM	2389	H	ACE	259	-17.855	-17.245	1.501	1.00	0.05
ATOM	2390	N	TYR	260	-19.129	-17.002	-1.613	1.00	-0.26
ATOM	2391	CA	TYR	260	-18.840	-16.344	-2.889	1.00	0.14
ATOM	2392	C	TYR	260	-18.599	-14.860	-2.716	1.00	0.21
ATOM	2393	O	TYR	260	-17.667	-14.340	-3.306	1.00	-0.39
ATOM	2394	CB	TYR	260	-19.974	-16.538	-3.929	1.00	0.02
ATOM	2395	CG	TYR	260	-20.142	-18.030	-4.249	1.00	-0.05
ATOM	2396	CD1	TYR	260	-19.179	-18.687	-5.025	1.00	-0.07
ATOM	2397	CD2	TYR	260	-21.244	-18.751	-3.774	1.00	-0.07
ATOM	2398	CE1	TYR	260	-19.296	-20.053	-5.295	1.00	-0.04
ATOM	2399	CE2	TYR	260	-21.362	-20.116	-4.048	1.00	-0.04
ATOM	2400	CZ	TYR	260	-20.389	-20.777	-4.802	1.00	0.08
ATOM	2401	OH	TYR	260	-20.530	-22.146	-5.048	1.00	-0.34
ATOM	2402	H	TYR	260	-19.894	-17.644	-1.550	1.00	0.19
ATOM	2403	HA	TYR	260	-17.920	-16.792	-3.292	1.00	0.08
ATOM	2404	HB1	TYR	260	-19.724	-16.006	-4.861	1.00	0.05
ATOM	2405	HB2	TYR	260	-20.909	-16.107	-3.538	1.00	0.05
ATOM	2406	HD1	TYR	260	-18.333	-18.136	-5.424	1.00	0.05
ATOM	2407	HD2	TYR	260	-22.014	-18.257	-3.190	1.00	0.05
ATOM	2408	HE1	TYR	260	-18.532	-20.545	-5.888	1.00	0.05
ATOM	2409	HE2	TYR	260	-22.214	-20.674	-3.673	1.00	0.05
ATOM	2410	HH	TYR	260	-19.840	-22.522	-5.582	1.00	0.25
ATOM	2411	N	LEU	261	-19.411	-14.144	-1.912	1.00	-0.26
ATOM	2412	CA	LEU	261	-19.157	-12.714	-1.725	1.00	0.13
ATOM	2413	C	LEU	261	-17.779	-12.509	-1.127	1.00	0.20
ATOM	2414	O	LEU	261	-17.069	-11.595	-1.517	1.00	-0.39
ATOM	2415	CB	LEU	261	-20.188	-12.028	-0.785	1.00	-0.01
ATOM	2416	CG	LEU	261	-21.685	-12.168	-1.203	1.00	-0.04
ATOM	2417	CD1	LEU	261	-22.580	-11.382	-0.204	1.00	-0.06
ATOM	2418	CD2	LEU	261	-21.936	-11.682	-2.658	1.00	-0.06
ATOM	2419	H	LEU	261	-20.146	-14.596	-1.410	1.00	0.19
ATOM	2420	HA	LEU	261	-19.165	-12.213	-2.705	1.00	0.08
ATOM	2421	HB2	LEU	261	-19.930	-10.958	-0.748	1.00	0.03
ATOM	2422	HB1	LEU	261	-20.066	-12.443	0.229	1.00	0.03
ATOM	2423	HG	LEU	261	-22.004	-13.222	-1.142	1.00	0.03
ATOM	2424	HD13LEU	261	-22.445	-11.760	0.822	1.00	0.02	
ATOM	2425	HD12LEU	261	-23.642	-11.482	-0.470	1.00	0.02	
ATOM	2426	HD11LEU	261	-22.324	-10.314	-0.213	1.00	0.02	
ATOM	2427	HD23LEU	261	-21.541	-10.666	-2.800	1.00	0.02	
ATOM	2428	HD22LEU	261	-23.014	-11.672	-2.881	1.00	0.02	
ATOM	2429	HD21LEU	261	-21.454	-12.354	-3.384	1.00	0.02	
ATOM	2430	N	VAL	262	-17.367	-13.360	-0.166	1.00	-0.26
ATOM	2431	CA	VAL	262	-16.029	-13.212	0.400	1.00	0.13
ATOM	2432	C	VAL	262	-15.036	-13.524	-0.694	1.00	0.20
ATOM	2433	O	VAL	262	-14.105	-12.758	-0.882	1.00	-0.39
ATOM	2434	CB	VAL	262	-15.824	-14.134	1.639	1.00	-0.01
ATOM	2435	CG1	VAL	262	-14.352	-14.118	2.131	1.00	-0.06
ATOM	2436	CG2	VAL	262	-16.777	-13.710	2.792	1.00	-0.06
ATOM	2437	H	VAL	262	-17.921	-14.152	0.093	1.00	0.19
ATOM	2438	HA	VAL	262	-15.876	-12.167	0.716	1.00	0.08
ATOM	2439	HB	VAL	262	-16.057	-15.174	1.357	1.00	0.03
ATOM	2440	HG13VAL	262	-13.669	-14.479	1.350	1.00	0.02	
ATOM	2441	HG12VAL	262	-14.249	-14.792	2.993	1.00	0.02	
ATOM	2442	HG11VAL	262	-14.050	-13.101	2.427	1.00	0.02	
ATOM	2443	HG23VAL	262	-16.533	-12.690	3.127	1.00	0.02	
ATOM	2444	HG22VAL	262	-16.678	-14.395	3.647	1.00	0.02	
ATOM	2445	HG21VAL	262	-17.829	-13.724	2.471	1.00	0.02	

ATOM	2446	N	ILE	263	-15.214	-14.633	-1.445	1.00	-0.26
ATOM	2447	CA	ILE	263	-14.275	-14.923	-2.530	1.00	0.13
ATOM	2448	C	ILE	263	-14.236	-13.725	-3.451	1.00	0.20
ATOM	2449	O	ILE	263	-13.154	-13.351	-3.873	1.00	-0.39
ATOM	2450	CB	ILE	263	-14.605	-16.231	-3.313	1.00	0.00
ATOM	2451	CG1	ILE	263	-14.450	-17.474	-2.378	1.00	-0.05
ATOM	2452	CG2	ILE	263	-13.703	-16.360	-4.577	1.00	-0.06
ATOM	2453	CD1	ILE	263	-14.978	-18.799	-2.994	1.00	-0.06
ATOM	2454	H	ILE	263	-16.018	-15.217	-1.301	1.00	0.19
ATOM	2455	HA	ILE	263	-13.268	-15.042	-2.102	1.00	0.08
ATOM	2456	HB	ILE	263	-15.647	-16.153	-3.657	1.00	0.03
ATOM	2457	HG12	ILE	263	-15.014	-17.315	-1.446	1.00	0.03
ATOM	2458	HG11	ILE	263	-13.390	-17.602	-2.104	1.00	0.03
ATOM	2459	HG23	ILE	263	-13.842	-15.505	-5.255	1.00	0.02
ATOM	2460	HG22	ILE	263	-13.947	-17.261	-5.155	1.00	0.02
ATOM	2461	HG21	ILE	263	-12.642	-16.404	-4.286	1.00	0.02
ATOM	2462	HD13	ILE	263	-16.013	-18.675	-3.347	1.00	0.02
ATOM	2463	HD12	ILE	263	-14.965	-19.595	-2.232	1.00	0.02
ATOM	2464	HD11	ILE	263	-14.353	-19.137	-3.833	1.00	0.02
ATOM	2465	N	ILE	264	-15.384	-13.089	-3.773	1.00	-0.26
ATOM	2466	CA	ILE	264	-15.325	-11.881	-4.593	1.00	0.13
ATOM	2467	C	ILE	264	-14.456	-10.868	-3.881	1.00	0.20
ATOM	2468	O	ILE	264	-13.577	-10.321	-4.526	1.00	-0.39
ATOM	2469	CB	ILE	264	-16.725	-11.302	-4.968	1.00	0.00
ATOM	2470	CG1	ILE	264	-17.462	-12.272	-5.946	1.00	-0.05
ATOM	2471	CG2	ILE	264	-16.586	-9.885	-5.596	1.00	-0.06
ATOM	2472	CD1	ILE	264	-18.963	-11.934	-6.163	1.00	-0.06
ATOM	2473	H	ILE	264	-16.267	-13.404	-3.414	1.00	0.19
ATOM	2474	HA	ILE	264	-14.818	-12.136	-5.538	1.00	0.08
ATOM	2475	HB	ILE	264	-17.308	-11.196	-4.040	1.00	0.03
ATOM	2476	HG12	ILE	264	-17.414	-13.299	-5.555	1.00	0.03
ATOM	2477	HG11	ILE	264	-16.951	-12.272	-6.923	1.00	0.03
ATOM	2478	HG23	ILE	264	-16.115	-9.179	-4.895	1.00	0.02
ATOM	2479	HG22	ILE	264	-17.566	-9.468	-5.858	1.00	0.02
ATOM	2480	HG21	ILE	264	-15.977	-9.936	-6.511	1.00	0.02
ATOM	2481	HD13	ILE	264	-19.483	-11.846	-5.198	1.00	0.02
ATOM	2482	HD12	ILE	264	-19.445	-12.737	-6.743	1.00	0.02
ATOM	2483	HD11	ILE	264	-19.095	-10.996	-6.721	1.00	0.02
ATOM	2484	N	VAL	265	-14.641	-10.592	-2.571	1.00	-0.26
ATOM	2485	CA	VAL	265	-13.732	-9.645	-1.912	1.00	0.13
ATOM	2486	C	VAL	265	-12.301	-10.097	-2.103	1.00	0.20
ATOM	2487	O	VAL	265	-11.447	-9.278	-2.406	1.00	-0.39
ATOM	2488	CB	VAL	265	-13.968	-9.458	-0.380	1.00	-0.01
ATOM	2489	CG1	VAL	265	-12.851	-8.591	0.271	1.00	-0.06
ATOM	2490	CG2	VAL	265	-15.334	-8.773	-0.123	1.00	-0.06
ATOM	2491	H	VAL	265	-15.366	-11.054	-2.049	1.00	0.19
ATOM	2492	HA	VAL	265	-13.850	-8.663	-2.400	1.00	0.08
ATOM	2493	HB	VAL	265	-13.963	-10.443	0.114	1.00	0.03
ATOM	2494	HG13	VAL	265	-11.871	-9.090	0.240	1.00	0.02
ATOM	2495	HG12	VAL	265	-13.081	-8.376	1.325	1.00	0.02
ATOM	2496	HG11	VAL	265	-12.777	-7.636	-0.267	1.00	0.02
ATOM	2497	HG23	VAL	265	-15.333	-7.775	-0.589	1.00	0.02
ATOM	2498	HG22	VAL	265	-15.524	-8.656	0.955	1.00	0.02
ATOM	2499	HG21	VAL	265	-16.152	-9.369	-0.550	1.00	0.02
ATOM	2500	N	LEU	266	-11.996	-11.398	-1.915	1.00	-0.26
ATOM	2501	CA	LEU	266	-10.604	-11.831	-2.046	1.00	0.13
ATOM	2502	C	LEU	266	-10.141	-11.599	-3.470	1.00	0.20
ATOM	2503	O	LEU	266	-9.058	-11.075	-3.686	1.00	-0.39

ATOM	2504	CB	LEU	266	-10.363	-13.316	-1.643	1.00	-0.01
ATOM	2505	CG	LEU	266	-10.964	-13.742	-0.267	1.00	-0.04
ATOM	2506	CD1	LEU	266	-10.478	-15.164	0.121	1.00	-0.06
ATOM	2507	CD2	LEU	266	-10.682	-12.729	0.876	1.00	-0.06
ATOM	2508	H	LEU	266	-12.723	-12.060	-1.713	1.00	0.19
ATOM	2509	HA	LEU	266	-9.981	-11.199	-1.392	1.00	0.08
ATOM	2510	HB2	LEU	266	-9.275	-13.486	-1.630	1.00	0.03
ATOM	2511	HB1	LEU	266	-10.792	-13.966	-2.423	1.00	0.03
ATOM	2512	HG	LEU	266	-12.052	-13.829	-0.358	1.00	0.03
ATOM	2513	HD13	LEU	266	-10.697	-15.887	-0.680	1.00	0.02
ATOM	2514	HD12	LEU	266	-10.966	-15.511	1.044	1.00	0.02
ATOM	2515	HD11	LEU	266	-9.396	-15.145	0.290	1.00	0.02
ATOM	2516	HD23	LEU	266	-9.601	-12.588	1.003	1.00	0.02
ATOM	2517	HD22	LEU	266	-11.149	-11.754	0.670	1.00	0.02
ATOM	2518	HD21	LEU	266	-11.101	-13.096	1.826	1.00	0.02
ATOM	2519	N	THR	267	-10.955	-11.980	-4.477	1.00	-0.26
ATOM	2520	CA	THR	267	-10.566	-11.733	-5.864	1.00	0.16
ATOM	2521	C	THR	267	-10.448	-10.250	-6.126	1.00	0.21
ATOM	2522	O	THR	267	-9.514	-9.840	-6.793	1.00	-0.39
ATOM	2523	CB	THR	267	-11.590	-12.339	-6.862	1.00	0.09
ATOM	2524	OG1	THR	267	-11.659	-13.755	-6.610	1.00	-0.39
ATOM	2525	CG2	THR	267	-11.177	-12.089	-8.338	1.00	-0.03
ATOM	2526	H	THR	267	-11.842	-12.415	-4.293	1.00	0.19
ATOM	2527	HA	THR	267	-9.593	-12.216	-6.045	1.00	0.08
ATOM	2528	HB	THR	267	-12.573	-11.872	-6.674	1.00	0.06
ATOM	2529	HG1	THR	267	-12.314	-14.200	-7.138	1.00	0.21
ATOM	2530	HG22	THR	267	-11.901	-12.564	-9.018	1.00	0.03
ATOM	2531	HG21	THR	267	-10.183	-12.520	-8.530	1.00	0.03
ATOM	2532	HG23	THR	267	-11.148	-11.013	-8.569	1.00	0.03
ATOM	2533	N	VAL	268	-11.379	-9.413	-5.628	1.00	-0.26
ATOM	2534	CA	VAL	268	-11.258	-7.971	-5.847	1.00	0.13
ATOM	2535	C	VAL	268	-9.993	-7.491	-5.172	1.00	0.20
ATOM	2536	O	VAL	268	-9.228	-6.763	-5.781	1.00	-0.39
ATOM	2537	CB	VAL	268	-12.508	-7.205	-5.317	1.00	-0.01
ATOM	2538	CG1	VAL	268	-12.257	-5.676	-5.248	1.00	-0.06
ATOM	2539	CG2	VAL	268	-13.744	-7.483	-6.219	1.00	-0.06
ATOM	2540	H	VAL	268	-12.129	-9.765	-5.062	1.00	0.19
ATOM	2541	HA	VAL	268	-11.153	-7.770	-6.926	1.00	0.08
ATOM	2542	HB	VAL	268	-12.727	-7.544	-4.291	1.00	0.03
ATOM	2543	HG13	VAL	268	-11.457	-5.444	-4.530	1.00	0.02
ATOM	2544	HG12	VAL	268	-13.170	-5.154	-4.920	1.00	0.02
ATOM	2545	HG11	VAL	268	-11.964	-5.302	-6.242	1.00	0.02
ATOM	2546	HG23	VAL	268	-13.602	-7.039	-7.216	1.00	0.02
ATOM	2547	HG22	VAL	268	-14.651	-7.049	-5.769	1.00	0.02
ATOM	2548	HG21	VAL	268	-13.900	-8.562	-6.346	1.00	0.02
ATOM	2549	N	PHE	269	-9.743	-7.887	-3.909	1.00	-0.26
ATOM	2550	CA	PHE	269	-8.500	-7.480	-3.252	1.00	0.14
ATOM	2551	C	PHE	269	-7.313	-7.952	-4.063	1.00	0.21
ATOM	2552	O	PHE	269	-6.360	-7.203	-4.231	1.00	-0.39
ATOM	2553	CB	PHE	269	-8.453	-8.022	-1.798	1.00	0.02
ATOM	2554	CG	PHE	269	-9.383	-7.281	-0.816	1.00	-0.04
ATOM	2555	CD1	PHE	269	-10.354	-6.355	-1.225	1.00	-0.06
ATOM	2556	CD2	PHE	269	-9.244	-7.535	0.554	1.00	-0.06
ATOM	2557	CE1	PHE	269	-11.061	-5.598	-0.288	1.00	-0.07
ATOM	2558	CE2	PHE	269	-9.947	-6.778	1.497	1.00	-0.07
ATOM	2559	CZ	PHE	269	-10.836	-5.787	1.077	1.00	-0.07
ATOM	2560	H	PHE	269	-10.390	-8.485	-3.426	1.00	0.19
ATOM	2561	HA	PHE	269	-8.421	-6.384	-3.214	1.00	0.08

ATOM	2562	HB2 PHE	269	-7.422	-7.915	-1.431	1.00	0.05
ATOM	2563	HB1 PHE	269	-8.697	-9.093	-1.793	1.00	0.05
ATOM	2564	HD1 PHE	269	-10.587	-6.199	-2.269	1.00	0.06
ATOM	2565	HD2 PHE	269	-8.579	-8.322	0.894	1.00	0.06
ATOM	2566	HE1 PHE	269	-11.789	-4.867	-0.625	1.00	0.06
ATOM	2567	HE2 PHE	269	-9.803	-6.953	2.557	1.00	0.06
ATOM	2568	HZ PHE	269	-11.349	-5.169	1.804	1.00	0.06
ATOM	2569	N ALA	270	-7.343	-9.191	-4.597	1.00	-0.26
ATOM	2570	CA ALA	270	-6.261	-9.599	-5.487	1.00	0.13
ATOM	2571	C ALA	270	-6.213	-8.678	-6.690	1.00	0.20
ATOM	2572	O ALA	270	-5.168	-8.114	-6.983	1.00	-0.39
ATOM	2573	CB ALA	270	-6.428	-11.061	-5.978	1.00	-0.02
ATOM	2574	H ALA	270	-8.111	-9.819	-4.425	1.00	0.19
ATOM	2575	HA ALA	270	-5.311	-9.525	-4.933	1.00	0.08
ATOM	2576	HB3 ALA	270	-7.347	-11.177	-6.567	1.00	0.03
ATOM	2577	HE2 ALA	270	-6.479	-11.745	-5.119	1.00	0.03
ATOM	2578	HB1 ALA	270	-5.578	-11.354	-6.610	1.00	0.03
ATOM	2579	N VAL	271	-7.345	-8.488	-7.406	1.00	-0.26
ATOM	2580	CA VAL	271	-7.349	-7.672	-8.623	1.00	0.13
ATOM	2581	C VAL	271	-7.539	-6.221	-8.222	1.00	0.20
ATOM	2582	O VAL	271	-8.473	-5.555	-8.637	1.00	-0.39
ATOM	2583	CB VAL	271	-8.391	-8.207	-9.654	1.00	-0.01
ATOM	2584	CG1 VAL	271	-8.307	-7.452	-11.014	1.00	-0.06
ATOM	2585	CG2 VAL	271	-8.172	-9.726	-9.920	1.00	-0.06
ATOM	2586	H VAL	271	-8.220	-8.849	-7.075	1.00	0.19
ATOM	2587	HA VAL	271	-6.368	-7.736	-9.121	1.00	0.08
ATOM	2588	HB VAL	271	-9.399	-8.067	-9.227	1.00	0.03
ATOM	2589	HG13VAL	271	-8.501	-6.376	-10.905	1.00	0.02
ATOM	2590	HG12VAL	271	-9.054	-7.853	-11.717	1.00	0.02
ATOM	2591	HG11VAL	271	-7.310	-7.578	-11.463	1.00	0.02
ATOM	2592	HG23VAL	271	-7.169	-9.899	-10.339	1.00	0.02
ATOM	2593	HG22VAL	271	-8.919	-10.101	-10.637	1.00	0.02
ATOM	2594	HG21VAL	271	-8.265	-10.324	-9.003	1.00	0.02
ATOM	2595	N SER	272	-6.609	-5.707	-7.394	1.00	-0.26
ATOM	2596	CA SER	272	-6.656	-4.310	-6.956	1.00	0.15
ATOM	2597	C SER	272	-5.395	-4.041	-6.166	1.00	0.21
ATOM	2598	O SER	272	-4.661	-3.126	-6.502	1.00	-0.39
ATOM	2599	CB SER	272	-7.877	-3.917	-6.080	1.00	0.08
ATOM	2600	OG SER	272	-7.719	-4.394	-4.730	1.00	-0.39
ATOM	2601	H SER	272	-5.849	-6.288	-7.103	1.00	0.19
ATOM	2602	HA SER	272	-6.649	-3.679	-7.861	1.00	0.08
ATOM	2603	HB2 SER	272	-8.807	-4.303	-6.527	1.00	0.06
ATOM	2604	HB1 SER	272	-7.940	-2.815	-6.050	1.00	0.06
ATOM	2605	HG SER	272	-8.451	-4.153	-4.169	1.00	0.21
ATOM	2606	N TYR	273	-5.105	-4.868	-5.135	1.00	-0.26
ATOM	2607	CA TYR	273	-3.808	-4.776	-4.467	1.00	0.14
ATOM	2608	C TYR	273	-2.697	-5.380	-5.307	1.00	0.21
ATOM	2609	O TYR	273	-1.626	-4.797	-5.338	1.00	-0.39
ATOM	2610	CB TYR	273	-3.857	-5.473	-3.080	1.00	0.02
ATOM	2611	CG TYR	273	-5.047	-5.043	-2.201	1.00	-0.05
ATOM	2612	CD1 TYR	273	-5.742	-3.842	-2.397	1.00	-0.07
ATOM	2613	CD2 TYR	273	-5.455	-5.890	-1.164	1.00	-0.07
ATOM	2614	CE1 TYR	273	-6.847	-3.521	-1.606	1.00	-0.04
ATOM	2615	CE2 TYR	273	-6.552	-5.560	-0.362	1.00	-0.04
ATOM	2616	CZ TYR	273	-7.260	-4.377	-0.581	1.00	0.08
ATOM	2617	OH TYR	273	-8.362	-4.070	0.220	1.00	-0.34
ATOM	2618	H TYR	273	-5.760	-5.578	-4.836	1.00	0.19
ATOM	2619	HA TYR	273	-3.534	-3.722	-4.302	1.00	0.08

ATOM	2620	HB1 TYR	273	-2.925	-5.272	-2.528	1.00	0.05
ATOM	2621	HB2 TYR	273	-3.928	-6.559	-3.254	1.00	0.05
ATOM	2622	HD1 TYR	273	-5.448	-3.134	-3.162	1.00	0.05
ATOM	2623	HD2 TYR	273	-4.919	-6.814	-0.974	1.00	0.05
ATOM	2624	HE1 TYR	273	-7.381	-2.600	-1.797	1.00	0.05
ATOM	2625	HE2 TYR	273	-6.854	-6.224	0.440	1.00	0.05
ATOM	2626	HH TYR	273	-8.547	-3.137	0.273	1.00	0.25
ATOM	2627	N ILE	274	-2.859	-6.533	-6.001	1.00	-0.26
ATOM	2628	CA ILE	274	-1.700	-7.100	-6.705	1.00	0.13
ATOM	2629	C ILE	274	-1.111	-6.136	-7.723	1.00	0.21
ATOM	2630	O ILE	274	0.105	-6.045	-7.757	1.00	-0.39
ATOM	2631	CB ILE	274	-1.900	-8.550	-7.250	1.00	0.00
ATOM	2632	CG1 ILE	274	-2.096	-9.543	-6.060	1.00	-0.05
ATOM	2633	CG2 ILE	274	-0.697	-8.980	-8.140	1.00	-0.06
ATOM	2634	CD1 ILE	274	-2.436	-10.992	-6.499	1.00	-0.06
ATOM	2635	HB ILE	274	-2.801	-8.570	-7.881	1.00	0.03
ATOM	2636	HG23ILE	274	-0.576	-8.302	-8.999	1.00	0.02
ATOM	2637	HG22ILE	274	-0.844	-9.987	-8.555	1.00	0.02
ATOM	2638	HG21ILE	274	0.234	-8.972	-7.553	1.00	0.02
ATOM	2639	HG12ILE	274	-2.922	-9.182	-5.430	1.00	0.03
ATOM	2640	HG11ILE	274	-1.191	-9.573	-5.431	1.00	0.03
ATOM	2641	HD13ILE	274	-3.226	-10.985	-7.265	1.00	0.02
ATOM	2642	HD12ILE	274	-2.791	-11.575	-5.634	1.00	0.02
ATOM	2643	HD11ILE	274	-1.554	-11.508	-6.907	1.00	0.02
ATOM	2644	H ILE	274	-3.742	-7.010	-6.031	1.00	0.19
ATOM	2645	HA ILE	274	-0.909	-7.201	-5.944	1.00	0.08
ATOM	2646	N PRO	275	-1.837	-5.373	-8.573	1.00	-0.25
ATOM	2647	CA PRO	275	-1.167	-4.337	-9.351	1.00	0.13
ATOM	2648	C PRO	275	-0.300	-3.430	-8.501	1.00	0.20
ATOM	2649	O PRO	275	0.818	-3.117	-8.886	1.00	-0.39
ATOM	2650	CB PRO	275	-2.401	-3.599	-9.930	1.00	-0.01
ATOM	2651	CG PRO	275	-3.472	-4.711	-10.028	1.00	-0.03
ATOM	2652	CD PRO	275	-3.274	-5.514	-8.722	1.00	0.04
ATOM	2653	HA PRO	275	-0.572	-4.811	-10.149	1.00	0.08
ATOM	2654	HB2 PRO	275	-2.190	-3.110	-10.894	1.00	0.03
ATOM	2655	HB1 PRO	275	-2.759	-2.836	-9.219	1.00	0.03
ATOM	2656	HG1 PRO	275	-4.497	-4.321	-10.139	1.00	0.03
ATOM	2657	HG2 PRO	275	-3.239	-5.356	-10.893	1.00	0.03
ATOM	2658	HD1 PRO	275	-3.776	-5.016	-7.888	1.00	0.05
ATOM	2659	HD2 PRO	275	-3.632	-6.550	-8.821	1.00	0.05
ATOM	2660	N PHE	276	-0.788	-2.993	-7.317	1.00	-0.26
ATOM	2661	CA PHE	276	0.080	-2.205	-6.447	1.00	0.14
ATOM	2662	C PHE	276	1.217	-3.082	-5.971	1.00	0.21
ATOM	2663	O PHE	276	2.322	-2.567	-5.916	1.00	-0.39
ATOM	2664	CB PHE	276	-0.649	-1.535	-5.260	1.00	0.02
ATOM	2665	CG PHE	276	-1.581	-0.411	-5.740	1.00	-0.04
ATOM	2666	CD1 PHE	276	-1.050	0.785	-6.240	1.00	-0.06
ATOM	2667	CD2 PHE	276	-2.971	-0.557	-5.678	1.00	-0.06
ATOM	2668	CE1 PHE	276	-1.890	1.770	-6.769	1.00	-0.07
ATOM	2669	CE2 PHE	276	-3.813	0.415	-6.224	1.00	-0.07
ATOM	2670	CZ PHE	276	-3.273	1.575	-6.785	1.00	-0.07
ATOM	2671	H PHE	276	-1.691	-3.271	-6.979	1.00	0.19
ATOM	2672	HA PHE	276	0.520	-1.402	-7.051	1.00	0.08
ATOM	2673	HB2 PHE	276	0.099	-1.092	-4.588	1.00	0.05
ATOM	2674	HB1 PHE	276	-1.195	-2.308	-4.706	1.00	0.05
ATOM	2675	HD1 PHE	276	0.019	0.957	-6.216	1.00	0.06
ATOM	2676	HD2 PHE	276	-3.405	-1.427	-5.201	1.00	0.06
ATOM	2677	HE1 PHE	276	-1.468	2.687	-7.169	1.00	0.06

ATOM	2678	HE2	PHE	276	-4.888	0.264	-6.211	1.00	0.06
ATOM	2679	HZ	PHE	276	-3.924	2.322	-7.228	1.00	0.06
ATOM	2680	N	HIS	277	0.960	-4.380	-5.668	1.00	-0.26
ATOM	2681	CA	HIS	277	2.015	-5.381	-5.469	1.00	0.14
ATOM	2682	C	HIS	277	3.386	-4.902	-5.880	1.00	0.21
ATOM	2683	O	HIS	277	4.310	-4.897	-5.083	1.00	-0.39
ATOM	2684	CB	HIS	277	1.919	-6.163	-4.133	1.00	0.04
ATOM	2685	CG	HIS	277	1.974	-5.357	-2.869	1.00	0.06
ATOM	2686	ND1	HIS	277	2.744	-5.641	-1.843	1.00	-0.26
ATOM	2687	CD2	HIS	277	1.238	-4.264	-2.607	1.00	-0.03
ATOM	2688	CE1	HIS	277	2.561	-4.766	-0.907	1.00	0.09
ATOM	2689	NE2	HIS	277	1.719	-3.922	-1.294	1.00	-0.34
ATOM	2690	H	HIS	277	0.012	-4.707	-5.655	1.00	0.19
ATOM	2691	HA	HIS	277	1.861	-6.181	-6.212	1.00	0.08
ATOM	2692	HB2	HIS	277	2.719	-6.921	-4.109	1.00	0.05
ATOM	2693	HB1	HIS	277	0.943	-6.673	-4.110	1.00	0.05
ATOM	2694	HD1	HIS	277	3.386	-6.445	-1.782	1.00	0.24
ATOM	2695	HD2	HIS	277	0.491	-3.776	-3.227	1.00	0.03
ATOM	2696	HE1	HIS	277	3.037	-4.742	0.071	1.00	0.11
ATOM	2697	N	VAL	278	3.486	-4.509	-7.173	1.00	-0.26
ATOM	2698	CA	VAL	278	4.735	-3.992	-7.728	1.00	0.13
ATOM	2699	C	VAL	278	4.691	-2.487	-7.913	1.00	0.20
ATOM	2700	O	VAL	278	5.719	-1.869	-7.689	1.00	-0.39
ATOM	2701	CB	VAL	278	4.984	-4.679	-9.104	1.00	-0.01
ATOM	2702	CG1	VAL	278	6.313	-4.198	-9.753	1.00	-0.06
ATOM	2703	CG2	VAL	278	5.002	-6.226	-8.944	1.00	-0.06
ATOM	2704	H	VAL	278	2.681	-4.544	-7.773	1.00	0.19
ATOM	2705	HA	VAL	278	5.586	-4.228	-7.068	1.00	0.08
ATOM	2706	HB	VAL	278	4.157	-4.412	-9.786	1.00	0.03
ATOM	2707	HG13	VAL	278	6.296	-3.114	-9.942	1.00	0.02
ATOM	2708	HG12	VAL	278	6.471	-4.705	-10.718	1.00	0.02
ATOM	2709	HG11	VAL	278	7.165	-4.427	-9.097	1.00	0.02
ATOM	2710	HG23	VAL	278	5.810	-6.530	-8.261	1.00	0.02
ATOM	2711	HG22	VAL	278	5.167	-6.711	-9.919	1.00	0.02
ATOM	2712	HG21	VAL	278	4.047	-6.596	-8.541	1.00	0.02
ATOM	2713	N	MET	279	3.569	-1.852	-8.336	1.00	-0.26
ATOM	2714	CA	MET	279	3.626	-0.428	-8.681	1.00	0.13
ATOM	2715	C	MET	279	4.407	0.388	-7.676	1.00	0.20
ATOM	2716	O	MET	279	5.143	1.267	-8.095	1.00	-0.39
ATOM	2717	CB	MET	279	2.231	0.247	-8.800	1.00	0.00
ATOM	2718	CG	MET	279	2.306	1.640	-9.482	1.00	0.00
ATOM	2719	SD	MET	279	0.677	2.452	-9.395	1.00	-0.16
ATOM	2720	CE	MET	279	1.034	3.943	-10.377	1.00	-0.02
ATOM	2721	H	MET	279	2.709	-2.345	-8.496	1.00	0.19
ATOM	2722	HA	MET	279	4.134	-0.359	-9.657	1.00	0.08
ATOM	2723	HB2	MET	279	1.819	0.380	-7.791	1.00	0.03
ATOM	2724	HB1	MET	279	1.544	-0.388	-9.383	1.00	0.03
ATOM	2725	HG2	MET	279	2.597	1.528	-10.537	1.00	0.04
ATOM	2726	HG1	MET	279	3.026	2.302	-8.979	1.00	0.04
ATOM	2727	LPD2	MET	279	0.380	3.176	-8.666	1.00	0.00
ATOM	2728	LPD1	MET	279	0.053	2.424	-9.412	1.00	0.00
ATOM	2729	HE3	MET	279	1.927	4.449	-9.985	1.00	0.03
ATOM	2730	HE2	MET	279	0.174	4.628	-10.324	1.00	0.03
ATOM	2731	HE1	MET	279	1.210	3.662	-11.426	1.00	0.03
ATOM	2732	N	LYS	280	4.281	0.154	-6.350	1.00	-0.26
ATOM	2733	CA	LYS	280	5.029	1.004	-5.421	1.00	0.13
ATOM	2734	C	LYS	280	6.511	1.014	-5.710	1.00	0.20
ATOM	2735	O	LYS	280	7.153	2.007	-5.404	1.00	-0.39

ATOM	2736	CB	LYS	280	4.758	0.808	-3.904	1.00	-0.01
ATOM	2737	CG	LYS	280	5.484	-0.386	-3.219	1.00	-0.04
ATOM	2738	CD	LYS	280	4.928	-1.789	-3.577	1.00	-0.01
ATOM	2739	CE	LYS	280	3.425	-1.991	-3.228	1.00	-0.04
ATOM	2740	NZ	LYS	280	3.048	-1.723	-1.815	1.00	0.22
ATOM	2741	H	LYS	280	3.679	-0.574	-6.017	1.00	0.19
ATOM	2742	HA	LYS	280	4.688	2.023	-5.659	1.00	0.08
ATOM	2743	HB2	LYS	280	3.669	0.775	-3.767	1.00	0.03
ATOM	2744	HB1	LYS	280	5.124	1.709	-3.383	1.00	0.03
ATOM	2745	HG2	LYS	280	5.412	-0.265	-2.126	1.00	0.03
ATOM	2746	HG1	LYS	280	6.558	-0.353	-3.466	1.00	0.03
ATOM	2747	HD2	LYS	280	5.514	-2.540	-3.020	1.00	0.03
ATOM	2748	HD1	LYS	280	5.091	-1.986	-4.649	1.00	0.03
ATOM	2749	HE2	LYS	280	3.219	-3.039	-3.489	1.00	0.08
ATOM	2750	HE1	LYS	280	2.780	-1.374	-3.869	1.00	0.08
ATOM	2751	HZ3	LYS	280	2.044	-2.061	-1.581	1.00	0.20
ATOM	2752	HZ2	LYS	280	3.041	-0.669	-1.575	1.00	0.20
ATOM	2753	HZ1	LYS	280	3.692	-2.217	-1.107	1.00	0.20
ATOM	2754	N	THR	281	7.079	-0.047	-6.325	1.00	-0.26
ATOM	2755	CA	THR	281	8.463	0.039	-6.786	1.00	0.16
ATOM	2756	C	THR	281	8.677	1.340	-7.531	1.00	0.21
ATOM	2757	O	THR	281	9.751	1.908	-7.430	1.00	-0.39
ATOM	2758	CB	THR	281	8.829	-1.171	-7.688	1.00	0.09
ATOM	2759	OG1	THR	281	8.592	-2.360	-6.911	1.00	-0.39
ATOM	2760	CG2	THR	281	10.315	-1.130	-8.138	1.00	-0.03
ATOM	2761	H	THR	281	6.561	-0.882	-6.540	1.00	0.19
ATOM	2762	HA	THR	281	9.123	0.001	-5.909	1.00	0.08
ATOM	2763	HB	THR	281	8.168	-1.157	-8.573	1.00	0.06
ATOM	2764	HG1	THR	281	8.736	-3.165	-7.399	1.00	0.21
ATOM	2765	HG22	THR	281	10.550	-2.021	-8.742	1.00	0.03
ATOM	2766	HG21	THR	281	10.979	-1.120	-7.259	1.00	0.03
ATOM	2767	HG23	THR	281	10.521	-0.239	-8.749	1.00	0.03
ATOM	2768	N	MET	282	7.673	1.854	-8.276	1.00	-0.26
ATOM	2769	CA	MET	282	7.829	3.151	-8.931	1.00	0.13
ATOM	2770	C	MET	282	8.099	4.235	-7.908	1.00	0.20
ATOM	2771	O	MET	282	9.079	4.950	-8.056	1.00	-0.39
ATOM	2772	CB	MET	282	6.569	3.577	-9.740	1.00	0.00
ATOM	2773	CG	MET	282	6.261	2.627	-10.927	1.00	0.00
ATOM	2774	SD	MET	282	4.728	3.205	-11.726	1.00	-0.16
ATOM	2775	CE	MET	282	4.481	1.872	-12.941	1.00	-0.02
ATOM	2776	LPD1	MET	282	5.383	2.013	-11.531	1.00	0.00
ATOM	2777	LPD2	MET	282	6.312	2.505	-12.352	1.00	0.00
ATOM	2778	HB2	MET	282	5.694	3.611	-9.072	1.00	0.03
ATOM	2779	HB1	MET	282	6.724	4.592	-10.143	1.00	0.03
ATOM	2780	HG2	MET	282	6.103	1.592	-10.592	1.00	0.04
ATOM	2781	HG1	MET	282	7.082	2.641	-11.661	1.00	0.04
ATOM	2782	HE3	MET	282	5.337	1.833	-13.631	1.00	0.03
ATOM	2783	HE2	MET	282	3.563	2.074	-13.513	1.00	0.03
ATOM	2784	HE1	MET	282	4.381	0.905	-12.427	1.00	0.03
ATOM	2785	H	MET	282	6.794	1.381	-8.342	1.00	0.19
ATOM	2786	HA	MET	282	8.689	3.099	-9.620	1.00	0.08
ATOM	2787	N	ASN	283	7.257	4.408	-6.862	1.00	-0.26
ATOM	2788	CA	ASN	283	7.523	5.492	-5.915	1.00	0.15
ATOM	2789	C	ASN	283	8.733	5.151	-5.080	1.00	0.21
ATOM	2790	O	ASN	283	9.541	6.030	-4.840	1.00	-0.39
ATOM	2791	CB	ASN	283	6.326	5.964	-5.044	1.00	0.08
ATOM	2792	CG	ASN	283	5.618	4.962	-4.164	1.00	0.18
ATOM	2793	OD1	ASN	283	6.071	4.729	-3.057	1.00	-0.40

ATOM	2794	ND2 ASN	283	4.479	4.371	-4.578	1.00	-0.30
ATOM	2795	H ASN	283	6.504	3.771	-6.688	1.00	0.19
ATOM	2796	HA ASN	283	7.812	6.384	-6.500	1.00	0.08
ATOM	2797	HB2 ASN	283	5.575	6.411	-5.709	1.00	0.06
ATOM	2798	HB1 ASN	283	6.693	6.755	-4.374	1.00	0.06
ATOM	2799	HD21ASN	283	4.089	4.540	-5.482	1.00	0.18
ATOM	2800	HD22ASN	283	3.995	3.762	-3.945	1.00	0.18
ATOM	2801	N LEU	284	8.926	3.896	-4.634	1.00	-0.26
ATOM	2802	CA LEU	284	10.168	3.582	-3.921	1.00	0.13
ATOM	2803	C LEU	284	11.366	3.846	-4.811	1.00	0.20
ATOM	2804	O LEU	284	12.366	4.337	-4.314	1.00	-0.39
ATOM	2805	CB LEU	284	10.206	2.108	-3.427	1.00	-0.01
ATOM	2806	CG LEU	284	9.515	1.876	-2.049	1.00	-0.04
ATOM	2807	CD1 LEU	284	10.434	2.325	-0.876	1.00	-0.06
ATOM	2808	CD2 LEU	284	8.111	2.530	-1.937	1.00	-0.06
ATOM	2809	H LEU	284	8.256	3.177	-4.842	1.00	0.19
ATOM	2810	HA LEU	284	10.279	4.269	-3.068	1.00	0.08
ATOM	2811	HB2 LEU	284	11.252	1.770	-3.345	1.00	0.03
ATOM	2812	HB1 LEU	284	9.736	1.476	-4.192	1.00	0.03
ATOM	2813	HG LEU	284	9.341	0.791	-1.956	1.00	0.03
ATOM	2814	HD13LEU	284	11.438	1.881	-0.954	1.00	0.02
ATOM	2815	HD12LEU	284	9.999	2.004	0.082	1.00	0.02
ATOM	2816	HD11LEU	284	10.557	3.417	-0.860	1.00	0.02
ATOM	2817	HD23LEU	284	7.632	2.250	-0.986	1.00	0.02
ATOM	2818	HD22LEU	284	8.176	3.627	-1.977	1.00	0.02
ATOM	2819	HD21LEU	284	7.465	2.183	-2.755	1.00	0.02
ATOM	2820	N ARG	285	11.313	3.531	-6.121	1.00	-0.26
ATOM	2821	CA ARG	285	12.456	3.829	-6.983	1.00	0.13
ATOM	2822	C ARG	285	12.581	5.319	-7.213	1.00	0.20
ATOM	2823	O ARG	285	13.687	5.833	-7.189	1.00	-0.39
ATOM	2824	CB ARG	285	12.318	3.144	-8.372	1.00	-0.01
ATOM	2825	CG ARG	285	13.580	3.365	-9.254	1.00	-0.02
ATOM	2826	CD ARG	285	13.514	2.555	-10.579	1.00	0.06
ATOM	2827	NE ARG	285	14.697	2.793	-11.418	1.00	-0.27
ATOM	2828	CZ ARG	285	14.892	2.231	-12.590	1.00	0.29
ATOM	2829	NH1 ARG	285	14.036	1.394	-13.123	1.00	-0.28
ATOM	2830	NH2 ARG	285	15.983	2.514	-13.258	1.00	-0.28
ATOM	2831	H ARG	285	10.491	3.119	-6.523	1.00	0.19
ATOM	2832	HA ARG	285	13.375	3.461	-6.498	1.00	0.08
ATOM	2833	HB2 ARG	285	11.431	3.539	-8.893	1.00	0.03
ATOM	2834	HB1 ARG	285	12.162	2.067	-8.217	1.00	0.03
ATOM	2835	HG2 ARG	285	14.481	3.058	-8.697	1.00	0.03
ATOM	2836	HG1 ARG	285	13.675	4.436	-9.497	1.00	0.03
ATOM	2837	HD2 ARG	285	12.600	2.865	-11.113	1.00	0.07
ATOM	2838	HD1 ARG	285	13.444	1.486	-10.315	1.00	0.07
ATOM	2839	HE ARG	285	15.408	3.445	-11.050	1.00	0.26
ATOM	2840	HH11ARG	285	13.166	1.136	-12.645	1.00	0.26
ATOM	2841	HH12ARG	285	14.211	0.966	-14.043	1.00	0.26
ATOM	2842	HH21ARG	285	16.687	3.167	-12.884	1.00	0.26
ATOM	2843	HH22ARG	285	16.173	2.095	-14.180	1.00	0.26
ATOM	2844	N ALA	286	11.464	6.031	-7.477	1.00	-0.26
ATOM	2845	CA ALA	286	11.560	7.454	-7.807	1.00	0.13
ATOM	2846	C ALA	286	11.636	8.359	-6.595	1.00	0.20
ATOM	2847	O ALA	286	12.115	9.475	-6.734	1.00	-0.39
ATOM	2848	CB ALA	286	10.335	7.862	-8.666	1.00	-0.02
ATOM	2849	H ALA	286	10.559	5.593	-7.461	1.00	0.19
ATOM	2850	HA ALA	286	12.465	7.639	-8.412	1.00	0.08
ATOM	2851	HB3 ALA	286	9.404	7.712	-8.101	1.00	0.03

ATOM	2852	HB2	ALA	286	10.293	7.243	-9.576	1.00	0.03
ATOM	2853	HB1	ALA	286	10.403	8.921	-8.962	1.00	0.03
ATOM	2854	N	ARG	287	11.179	7.961	-5.390	1.00	-0.26
ATOM	2855	CA	ARG	287	11.173	8.900	-4.263	1.00	0.13
ATOM	2856	C	ARG	287	12.579	9.134	-3.749	1.00	0.25
ATOM	2857	O	ARG	287	12.890	8.811	-2.614	1.00	-0.33
ATOM	2858	CB	ARG	287	10.206	8.402	-3.151	1.00	-0.01
ATOM	2859	CG	ARG	287	9.884	9.474	-2.070	1.00	-0.02
ATOM	2860	CD	ARG	287	8.872	8.923	-1.024	1.00	0.06
ATOM	2861	NE	ARG	287	8.201	10.017	-0.312	1.00	-0.27
ATOM	2862	CZ	ARG	287	8.677	10.649	0.737	1.00	0.29
ATOM	2863	NH1	ARG	287	9.864	10.411	1.233	1.00	-0.28
ATOM	2864	NH2	ARG	287	7.936	11.561	1.316	1.00	-0.28
ATOM	2865	H	ARG	287	10.830	7.029	-5.253	1.00	0.19
ATOM	2866	HA	ARG	287	10.794	9.875	-4.609	1.00	0.08
ATOM	2867	HB2	ARG	287	10.619	7.494	-2.682	1.00	0.03
ATOM	2868	HB1	ARG	287	9.258	8.133	-3.640	1.00	0.03
ATOM	2869	HG2	ARG	287	9.442	10.358	-2.557	1.00	0.03
ATOM	2870	HG1	ARG	287	10.806	9.803	-1.570	1.00	0.03
ATOM	2871	HD2	ARG	287	9.335	8.175	-0.361	1.00	0.07
ATOM	2872	HD1	ARG	287	8.084	8.369	-1.565	1.00	0.07
ATOM	2873	HE	ARG	287	7.267	10.298	-0.676	1.00	0.26
ATOM	2874	HH11	ARG	287	10.495	9.724	0.810	1.00	0.26
ATOM	2875	HH12	ARG	287	10.211	10.931	2.050	1.00	0.26
ATOM	2876	HH21	ARG	287	6.984	11.781	0.970	1.00	0.26
ATOM	2877	HH22	ARG	287	8.263	12.088	2.133	1.00	0.26
TER	2878	ARG	287						
ATOM	2879	C	ACE	299	6.203	12.451	-5.124	1.00	0.18
ATOM	2880	O	ACE	299	5.290	12.201	-5.894	1.00	-0.40
ATOM	2881	CH3	ACE	299	7.602	12.588	-5.663	1.00	0.03
ATOM	2882	H	ACE	299	8.314	12.045	-5.025	1.00	0.05
ATOM	2883	H	ACE	299	7.875	13.653	-5.681	1.00	0.05
ATOM	2884	H	ACE	299	7.660	12.189	-6.686	1.00	0.05
ATOM	2885	N	ASP	300	5.993	12.627	-3.804	1.00	-0.26
ATOM	2886	CA	ASP	300	4.646	12.475	-3.253	1.00	0.14
ATOM	2887	C	ASP	300	3.586	13.206	-4.050	1.00	0.21
ATOM	2888	O	ASP	300	2.488	12.680	-4.146	1.00	-0.39
ATOM	2889	CB	ASP	300	4.591	12.829	-1.745	1.00	0.03
ATOM	2890	CG	ASP	300	5.490	11.912	-0.958	1.00	0.03
ATOM	2891	OD1	ASP	300	6.136	10.993	-1.531	1.00	-0.57
ATOM	2892	OD2	ASP	300	5.613	12.068	0.283	1.00	-0.57
ATOM	2893	H	ASP	300	6.752	12.784	-3.168	1.00	0.19
ATOM	2894	HA	ASP	300	4.379	11.415	-3.324	1.00	0.08
ATOM	2895	HB2	ASP	300	3.566	12.714	-1.361	1.00	0.05
ATOM	2896	HB1	ASP	300	4.912	13.870	-1.593	1.00	0.05
ATOM	2897	N	ARG	301	3.834	14.386	-4.662	1.00	-0.26
ATOM	2898	CA	ARG	301	2.792	14.967	-5.516	1.00	0.13
ATOM	2899	C	ARG	301	2.596	14.120	-6.759	1.00	0.20
ATOM	2900	O	ARG	301	1.471	13.969	-7.205	1.00	-0.39
ATOM	2901	CB	ARG	301	3.060	16.442	-5.925	1.00	-0.01
ATOM	2902	CG	ARG	301	1.777	17.102	-6.516	1.00	-0.02
ATOM	2903	CD	ARG	301	1.993	18.584	-6.932	1.00	0.06
ATOM	2904	NE	ARG	301	0.724	19.231	-7.298	1.00	-0.27
ATOM	2905	CZ	ARG	301	0.618	20.492	-7.656	1.00	0.29
ATOM	2906	NH1	ARG	301	1.655	21.285	-7.765	1.00	-0.28
ATOM	2907	NH2	ARG	301	-0.569	20.983	-7.913	1.00	-0.28
ATOM	2908	HB2	ARG	301	3.366	17.002	-5.026	1.00	0.03
ATOM	2909	HB1	ARG	301	3.887	16.478	-6.653	1.00	0.03

ATOM	2910	HG2 ARG	301	0.982	17.067	-5.752	1.00	0.03
ATOM	2911	HG1 ARG	301	1.430	16.540	-7.398	1.00	0.03
ATOM	2912	HD2 ARG	301	2.701	18.596	-7.777	1.00	0.07
ATOM	2913	HD1 ARG	301	2.436	19.113	-6.070	1.00	0.07
ATOM	2914	HE ARG	301	-0.130	18.651	-7.253	1.00	0.26
ATOM	2915	HH21ARG	301	-1.417	20.414	-7.816	1.00	0.26
ATOM	2916	HH22ARG	301	-0.701	21.963	-8.203	1.00	0.26
ATOM	2917	HH11ARG	301	2.607	20.956	-7.576	1.00	0.26
ATOM	2918	HH12ARG	301	1.544	22.270	-8.044	1.00	0.26
ATOM	2919	H ARG	301	4.727	14.830	-4.587	1.00	0.19
ATOM	2920	HA ARG	301	1.853	14.956	-4.938	1.00	0.08
ATOM	2921	N VAL	302	3.654	13.525	-7.350	1.00	-0.26
ATOM	2922	CA VAL	302	3.422	12.590	-8.453	1.00	0.13
ATOM	2923	C VAL	302	2.637	11.430	-7.887	1.00	0.20
ATOM	2924	O VAL	302	1.685	10.976	-8.502	1.00	-0.39
ATOM	2925	CB VAL	302	4.738	12.065	-9.105	1.00	-0.01
ATOM	2926	CG1 VAL	302	4.444	10.958	-10.159	1.00	-0.06
ATOM	2927	CG2 VAL	302	5.526	13.231	-9.766	1.00	-0.06
ATOM	2928	H VAL	302	4.573	13.597	-6.959	1.00	0.19
ATOM	2929	HA VAL	302	2.808	13.076	-9.229	1.00	0.08
ATOM	2930	HB VAL	302	5.374	11.612	-8.326	1.00	0.03
ATOM	2931	HG13VAL	302	3.978	10.078	-9.691	1.00	0.02
ATOM	2932	HG12VAL	302	5.379	10.625	-10.637	1.00	0.02
ATOM	2933	HG11VAL	302	3.768	11.340	-10.938	1.00	0.02
ATOM	2934	HG23VAL	302	4.929	13.688	-10.569	1.00	0.02
ATOM	2935	HG22VAL	302	6.467	12.859	-10.199	1.00	0.02
ATOM	2936	HG21VAL	302	5.776	14.010	-9.031	1.00	0.02
ATOM	2937	N TYR	303	2.996	10.919	-6.694	1.00	-0.26
ATOM	2938	CA TYR	303	2.218	9.809	-6.146	1.00	0.14
ATOM	2939	C TYR	303	0.823	10.288	-5.799	1.00	0.21
ATOM	2940	O TYR	303	-0.100	9.490	-5.843	1.00	-0.39
ATOM	2941	CB TYR	303	2.957	9.108	-4.978	1.00	0.02
ATOM	2942	CG TYR	303	4.473	9.038	-5.241	1.00	-0.05
ATOM	2943	CD1 TYR	303	5.005	8.884	-6.528	1.00	-0.07
ATOM	2944	CD2 TYR	303	5.360	9.170	-4.168	1.00	-0.07
ATOM	2945	CE1 TYR	303	6.376	9.033	-6.758	1.00	-0.04
ATOM	2946	CE2 TYR	303	6.710	9.428	-4.405	1.00	-0.04
ATOM	2947	CZ TYR	303	7.233	9.344	-5.696	1.00	0.08
ATOM	2948	OH TYR	303	8.596	9.567	-5.899	1.00	-0.34
ATOM	2949	H TYR	303	3.756	11.319	-6.169	1.00	0.19
ATOM	2950	HA TYR	303	2.090	9.055	-6.939	1.00	0.08
ATOM	2951	HB1 TYR	303	2.559	8.095	-4.809	1.00	0.05
ATOM	2952	HB2 TYR	303	2.770	9.707	-4.074	1.00	0.05
ATOM	2953	HD1 TYR	303	4.365	8.655	-7.371	1.00	0.05
ATOM	2954	HD2 TYR	303	5.008	9.091	-3.146	1.00	0.05
ATOM	2955	HE1 TYR	303	6.768	8.910	-7.763	1.00	0.05
ATOM	2956	HE2 TYR	303	7.353	9.699	-3.579	1.00	0.05
ATOM	2957	HH TYR	303	8.828	9.763	-6.799	1.00	0.25
ATOM	2958	N ALA	304	0.605	11.585	-5.484	1.00	-0.26
ATOM	2959	CA ALA	304	-0.766	12.081	-5.386	1.00	0.13
ATOM	2960	C ALA	304	-1.482	11.836	-6.698	1.00	0.20
ATOM	2961	O ALA	304	-2.668	11.554	-6.672	1.00	-0.39
ATOM	2962	CB ALA	304	-0.877	13.575	-4.989	1.00	-0.02
ATOM	2963	H ALA	304	1.361	12.229	-5.357	1.00	0.19
ATOM	2964	HA ALA	304	-1.267	11.504	-4.596	1.00	0.08
ATOM	2965	HB3 ALA	304	-0.470	14.227	-5.771	1.00	0.03
ATOM	2966	HB2 ALA	304	-0.331	13.757	-4.051	1.00	0.03
ATOM	2967	HB1 ALA	304	-1.935	13.845	-4.839	1.00	0.03

ATOM	2968	N	THR	305	-0.817	11.898	-7.873	1.00	-0.26
ATOM	2969	CA	THR	305	-1.507	11.468	-9.088	1.00	0.16
ATOM	2970	C	THR	305	-1.873	10.007	-8.928	1.00	0.21
ATOM	2971	O	THR	305	-3.010	9.644	-9.187	1.00	-0.39
ATOM	2972	CB	THR	305	-0.671	11.663	-10.384	1.00	0.09
ATOM	2973	OG1	THR	305	-0.177	13.015	-10.401	1.00	-0.39
ATOM	2974	CG2	THR	305	-1.527	11.399	-11.652	1.00	-0.03
ATOM	2975	H	THR	305	0.148	12.169	-7.932	1.00	0.19
ATOM	2976	HA	THR	305	-2.426	12.069	-9.190	1.00	0.08
ATOM	2977	HB	THR	305	0.175	10.955	-10.382	1.00	0.06
ATOM	2978	HG1	THR	305	0.382	13.199	-11.150	1.00	0.21
ATOM	2979	HG22	THR	305	-0.912	11.521	-12.557	1.00	0.03
ATOM	2980	HG21	THR	305	-2.363	12.114	-11.700	1.00	0.03
ATOM	2981	HG23	THR	305	-1.934	10.376	-11.645	1.00	0.03
ATOM	2982	N	TYR	306	-0.947	9.130	-8.481	1.00	-0.26
ATOM	2983	CA	TYR	306	-1.330	7.731	-8.259	1.00	0.14
ATOM	2984	C	TYR	306	-2.481	7.660	-7.273	1.00	0.21
ATOM	2985	O	TYR	306	-3.328	6.787	-7.395	1.00	-0.39
ATOM	2986	CB	TYR	306	-0.190	6.840	-7.689	1.00	0.02
ATOM	2987	CG	TYR	306	1.156	6.864	-8.435	1.00	-0.05
ATOM	2988	CD1	TYR	306	1.332	7.452	-9.694	1.00	-0.07
ATOM	2989	CD2	TYR	306	2.257	6.263	-7.813	1.00	-0.07
ATOM	2990	CE1	TYR	306	2.600	7.503	-10.282	1.00	-0.04
ATOM	2991	CE2	TYR	306	3.517	6.279	-8.417	1.00	-0.04
ATOM	2992	CZ	TYR	306	3.702	6.922	-9.642	1.00	0.08
ATOM	2993	OH	TYR	306	4.984	6.972	-10.197	1.00	-0.34
ATOM	2994	H	TYR	306	-0.023	9.440	-8.251	1.00	0.19
ATOM	2995	HA	TYR	306	-1.679	7.303	-9.214	1.00	0.08
ATOM	2996	HB1	TYR	306	-0.535	5.794	-7.664	1.00	0.05
ATOM	2997	HB2	TYR	306	0.009	7.152	-6.652	1.00	0.05
ATOM	2998	HD1	TYR	306	0.494	7.874	-10.236	1.00	0.05
ATOM	2999	HD2	TYR	306	2.136	5.776	-6.851	1.00	0.05
ATOM	3000	HE1	TYR	306	2.720	7.998	-11.240	1.00	0.05
ATOM	3001	HE2	TYR	306	4.361	5.794	-7.939	1.00	0.05
ATOM	3002	HH	TYR	306	5.017	7.350	-11.069	1.00	0.25
ATOM	3003	N	GLN	307	-2.537	8.576	-6.277	1.00	-0.26
ATOM	3004	CA	GLN	307	-3.678	8.591	-5.363	1.00	0.13
ATOM	3005	C	GLN	307	-4.983	8.707	-6.123	1.00	0.20
ATOM	3006	O	GLN	307	-5.994	8.303	-5.575	1.00	-0.39
ATOM	3007	CB	GLN	307	-3.574	9.670	-4.248	1.00	0.00
ATOM	3008	CG	GLN	307	-4.616	9.531	-3.099	1.00	0.04
ATOM	3009	CD	GLN	307	-4.527	8.240	-2.317	1.00	0.17
ATOM	3010	OE1	GLN	307	-5.502	7.510	-2.267	1.00	-0.40
ATOM	3011	NE2	GLN	307	-3.396	7.904	-1.667	1.00	-0.30
ATOM	3012	H	GLN	307	-1.804	9.252	-6.158	1.00	0.19
ATOM	3013	HA	GLN	307	-3.657	7.623	-4.855	1.00	0.08
ATOM	3014	HB2	GLN	307	-3.707	10.662	-4.702	1.00	0.03
ATOM	3015	HB1	GLN	307	-2.566	9.620	-3.811	1.00	0.03
ATOM	3016	HG2	GLN	307	-5.635	9.640	-3.503	1.00	0.05
ATOM	3017	HG1	GLN	307	-4.466	10.349	-2.376	1.00	0.05
ATOM	3018	HE21	GLN	307	-2.591	8.495	-1.661	1.00	0.18
ATOM	3019	HE22	GLN	307	-3.378	7.046	-1.151	1.00	0.18
ATOM	3020	N	VAL	308	-5.036	9.218	-7.374	1.00	-0.26
ATOM	3021	CA	VAL	308	-6.295	9.160	-8.125	1.00	0.13
ATOM	3022	C	VAL	308	-6.646	7.704	-8.356	1.00	0.20
ATOM	3023	O	VAL	308	-7.737	7.269	-8.017	1.00	-0.39
ATOM	3024	CB	VAL	308	-6.202	9.930	-9.481	1.00	-0.01
ATOM	3025	CG1	VAL	308	-7.443	9.687	-10.387	1.00	-0.06

ATOM	3026	CG2 VAL	308	-5.998	11.452	-9.234	1.00	-0.06
ATOM	3027	H VAL	308	-4.213	9.567	-7.827	1.00	0.19
ATOM	3028	HA VAL	308	-7.101	9.607	-7.521	1.00	0.08
ATOM	3029	HB VAL	308	-5.335	9.553	-10.047	1.00	0.03
ATOM	3030	HG13VAL	308	-7.552	8.620	-10.637	1.00	0.02
ATOM	3031	HG12VAL	308	-7.339	10.243	-11.332	1.00	0.02
ATOM	3032	HG11VAL	308	-8.364	10.020	-9.893	1.00	0.02
ATOM	3033	HG23VAL	308	-6.862	11.874	-8.699	1.00	0.02
ATOM	3034	HG22VAL	308	-5.882	11.983	-10.191	1.00	0.02
ATOM	3035	HG21VAL	308	-5.096	11.646	-8.633	1.00	0.02
ATOM	3036	N THR	309	-5.723	6.908	-8.937	1.00	-0.26
ATOM	3037	CA THR	309	-6.028	5.495	-9.161	1.00	0.16
ATOM	3038	C THR	309	-6.283	4.818	-7.835	1.00	0.21
ATOM	3039	O THR	309	-7.208	4.028	-7.716	1.00	-0.39
ATOM	3040	CB THR	309	-4.854	4.784	-9.887	1.00	0.09
ATOM	3041	OG1 THR	309	-4.556	5.542	-11.074	1.00	-0.39
ATOM	3042	CG2 THR	309	-5.219	3.322	-10.262	1.00	-0.03
ATOM	3043	H THR	309	-4.817	7.256	-9.191	1.00	0.19
ATOM	3044	HA THR	309	-6.931	5.426	-9.788	1.00	0.08
ATOM	3045	HB THR	309	-3.971	4.785	-9.221	1.00	0.06
ATOM	3046	HG1 THR	309	-3.825	5.190	-11.573	1.00	0.21
ATOM	3047	HG22THR	309	-4.369	2.838	-10.767	1.00	0.03
ATOM	3048	HG21THR	309	-6.083	3.313	-10.943	1.00	0.03
ATOM	3049	HG23THR	309	-5.469	2.733	-9.366	1.00	0.03
ATOM	3050	N ARG	310	-5.464	5.116	-6.805	1.00	-0.26
ATOM	3051	CA ARG	310	-5.736	4.523	-5.497	1.00	0.13
ATOM	3052	C ARG	310	-7.117	4.957	-5.046	1.00	0.20
ATOM	3053	O ARG	310	-7.860	4.152	-4.512	1.00	-0.39
ATOM	3054	CB ARG	310	-4.702	4.979	-4.433	1.00	-0.01
ATOM	3055	CG ARG	310	-4.619	4.053	-3.186	1.00	-0.02
ATOM	3056	CD ARG	310	-3.499	2.979	-3.319	1.00	0.06
ATOM	3057	NE ARG	310	-2.159	3.587	-3.275	1.00	-0.27
ATOM	3058	CZ ARG	310	-1.033	2.907	-3.304	1.00	0.29
ATOM	3059	NH1 ARG	310	-0.990	1.604	-3.394	1.00	-0.28
ATOM	3060	NH2 ARG	310	0.101	3.556	-3.218	1.00	-0.28
ATOM	3061	H ARG	310	-4.709	5.773	-6.919	1.00	0.19
ATOM	3062	HA ARG	310	-5.695	3.429	-5.602	1.00	0.08
ATOM	3063	HB2 ARG	310	-5.016	5.978	-4.107	1.00	0.03
ATOM	3064	HB1 ARG	310	-3.707	5.065	-4.895	1.00	0.03
ATOM	3065	HG2 ARG	310	-5.600	3.584	-3.000	1.00	0.03
ATOM	3066	HG1 ARG	310	-4.376	4.668	-2.304	1.00	0.03
ATOM	3067	HD2 ARG	310	-3.655	2.422	-4.255	1.00	0.07
ATOM	3068	HD1 ARG	310	-3.626	2.288	-2.470	1.00	0.07
ATOM	3069	HE ARG	310	-2.110	4.612	-3.178	1.00	0.26
ATOM	3070	HH11ARG	310	-1.841	1.030	-3.429	1.00	0.26
ATOM	3071	HH12ARG	310	-0.099	1.091	-3.318	1.00	0.26
ATOM	3072	HH21ARG	310	0.131	4.576	-3.112	1.00	0.26
ATOM	3073	HH22ARG	310	1.003	3.055	-3.223	1.00	0.26
ATOM	3074	N GLY	311	-7.477	6.243	-5.256	1.00	-0.27
ATOM	3075	CA GLY	311	-8.789	6.736	-4.848	1.00	0.12
ATOM	3076	C GLY	311	-9.889	5.973	-5.540	1.00	0.20
ATOM	3077	O GLY	311	-10.911	5.717	-4.925	1.00	-0.39
ATOM	3078	H GLY	311	-6.857	6.892	-5.699	1.00	0.19
ATOM	3079	HA1 GLY	311	-8.891	6.633	-3.759	1.00	0.08
ATOM	3080	HA2 GLY	311	-8.907	7.800	-5.105	1.00	0.08
ATOM	3081	N LEU	312	-9.719	5.585	-6.822	1.00	-0.26
ATOM	3082	CA LEU	312	-10.685	4.650	-7.398	1.00	0.13
ATOM	3083	C LEU	312	-10.586	3.353	-6.621	1.00	0.20

ATOM	3084	O	LEU	312	-11.601	2.850	-6.164	1.00	-0.39
ATOM	3085	CB	LEU	312	-10.446	4.362	-8.907	1.00	-0.01
ATOM	3086	CG	LEU	312	-10.692	5.586	-9.840	1.00	-0.04
ATOM	3087	CD1	LEU	312	-10.143	5.284	-11.264	1.00	-0.06
ATOM	3088	CD2	LEU	312	-12.203	5.948	-9.944	1.00	-0.06
ATOM	3089	H	LEU	312	-8.900	5.858	-7.341	1.00	0.19
ATOM	3090	HA	LEU	312	-11.706	5.033	-7.250	1.00	0.08
ATOM	3091	HB2	LEU	312	-11.104	3.536	-9.225	1.00	0.03
ATOM	3092	HB1	LEU	312	-9.408	4.018	-9.027	1.00	0.03
ATOM	3093	HG	LEU	312	-10.137	6.454	-9.446	1.00	0.03
ATOM	3094	HD13	LEU	312	-9.066	5.059	-11.230	1.00	0.02
ATOM	3095	HD12	LEU	312	-10.286	6.152	-11.927	1.00	0.02
ATOM	3096	HD11	LEU	312	-10.667	4.420	-11.701	1.00	0.02
ATOM	3097	HD23	LEU	312	-12.784	5.076	-10.280	1.00	0.02
ATOM	3098	HD22	LEU	312	-12.352	6.758	-10.675	1.00	0.02
ATOM	3099	HD21	LEU	312	-12.612	6.289	-8.984	1.00	0.02
ATOM	3100	N	ALA	313	-9.371	2.785	-6.444	1.00	-0.26
ATOM	3101	CA	ALA	313	-9.277	1.522	-5.711	1.00	0.13
ATOM	3102	C	ALA	313	-9.906	1.629	-4.339	1.00	0.20
ATOM	3103	O	ALA	313	-10.426	0.638	-3.851	1.00	-0.39
ATOM	3104	CB	ALA	313	-7.818	1.023	-5.558	1.00	-0.02
ATOM	3105	H	ALA	313	-8.534	3.220	-6.795	1.00	0.19
ATOM	3106	HA	ALA	313	-9.838	0.766	-6.284	1.00	0.08
ATOM	3107	HB3	ALA	313	-7.250	1.694	-4.899	1.00	0.03
ATOM	3108	HB2	ALA	313	-7.330	0.986	-6.544	1.00	0.03
ATOM	3109	HB1	ALA	313	-7.804	0.013	-5.118	1.00	0.03
ATOM	3110	N	SER	314	-9.897	2.807	-3.679	1.00	-0.26
ATOM	3111	CA	SER	314	-10.606	2.926	-2.408	1.00	0.15
ATOM	3112	C	SER	314	-12.026	2.415	-2.518	1.00	0.21
ATOM	3113	O	SER	314	-12.509	1.831	-1.561	1.00	-0.39
ATOM	3114	CB	SER	314	-10.664	4.389	-1.904	1.00	0.08
ATOM	3115	OG	SER	314	-9.356	4.988	-1.881	1.00	-0.39
ATOM	3116	H	SER	314	-9.405	3.606	-4.039	1.00	0.19
ATOM	3117	HA	SER	314	-10.064	2.332	-1.659	1.00	0.08
ATOM	3118	HB2	SER	314	-11.123	4.434	-0.901	1.00	0.06
ATOM	3119	HB1	SER	314	-11.296	4.969	-2.592	1.00	0.06
ATOM	3120	HG	SER	314	-8.738	4.535	-1.313	1.00	0.21
ATOM	3121	N	LEU	315	-12.722	2.601	-3.663	1.00	-0.26
ATOM	3122	CA	LEU	315	-14.063	2.025	-3.789	1.00	0.13
ATOM	3123	C	LEU	315	-13.947	0.521	-3.645	1.00	0.20
ATOM	3124	O	LEU	315	-14.673	-0.086	-2.870	1.00	-0.39
ATOM	3125	CB	LEU	315	-14.717	2.335	-5.168	1.00	-0.01
ATOM	3126	CG	LEU	315	-15.030	3.844	-5.409	1.00	-0.04
ATOM	3127	CD1	LEU	315	-15.270	4.105	-6.923	1.00	-0.06
ATOM	3128	CD2	LEU	315	-16.276	4.304	-4.601	1.00	-0.06
ATOM	3129	H	LEU	315	-12.300	3.056	-4.456	1.00	0.19
ATOM	3130	HA	LEU	315	-14.700	2.400	-2.974	1.00	0.08
ATOM	3131	HB2	LEU	315	-15.650	1.756	-5.266	1.00	0.03
ATOM	3132	HB1	LEU	315	-14.034	1.980	-5.954	1.00	0.03
ATOM	3133	HG	LEU	315	-14.166	4.459	-5.105	1.00	0.03
ATOM	3134	HD13	LEU	315	-14.376	3.841	-7.510	1.00	0.02
ATOM	3135	HD12	LEU	315	-15.491	5.169	-7.105	1.00	0.02
ATOM	3136	HD11	LEU	315	-16.118	3.503	-7.285	1.00	0.02
ATOM	3137	HD23	LEU	315	-17.149	3.681	-4.849	1.00	0.02
ATOM	3138	HD22	LEU	315	-16.526	5.349	-4.840	1.00	0.02
ATOM	3139	HD21	LEU	315	-16.091	4.237	-3.520	1.00	0.02
ATOM	3140	N	ASN	316	-13.009	-0.090	-4.403	1.00	-0.26
ATOM	3141	CA	ASN	316	-12.804	-1.532	-4.301	1.00	0.15

ATOM	3142	C	ASN	316	-12.367	-1.904	-2.906	1.00	0.21
ATOM	3143	O	ASN	316	-12.764	-2.947	-2.415	1.00	-0.39
ATOM	3144	CB	ASN	316	-11.708	-2.011	-5.286	1.00	0.08
ATOM	3145	CG	ASN	316	-12.140	-1.729	-6.701	1.00	0.18
ATOM	3146	OD1	ASN	316	-11.610	-0.815	-7.308	1.00	-0.40
ATOM	3147	ND2	ASN	316	-13.106	-2.477	-7.269	1.00	-0.30
ATOM	3148	H	ASN	316	-12.401	0.440	-5.002	1.00	0.19
ATOM	3149	HA	ASN	316	-13.752	-2.047	-4.523	1.00	0.08
ATOM	3150	HB2	ASN	316	-11.530	-3.085	-5.170	1.00	0.06
ATOM	3151	HB1	ASN	316	-10.754	-1.503	-5.081	1.00	0.06
ATOM	3152	HD21	ASN	316	-13.553	-3.231	-6.788	1.00	0.18
ATOM	3153	HD22	ASN	316	-13.377	-2.267	-8.209	1.00	0.18
ATOM	3154	N	SER	317	-11.545	-1.075	-2.231	1.00	-0.26
ATOM	3155	CA	SER	317	-11.124	-1.418	-0.875	1.00	0.15
ATOM	3156	C	SER	317	-12.091	-0.952	0.188	1.00	0.21
ATOM	3157	O	SER	317	-11.667	-0.860	1.329	1.00	-0.39
ATOM	3158	CB	SER	317	-9.733	-0.809	-0.565	1.00	0.08
ATOM	3159	OG	SER	317	-9.156	-1.431	0.598	1.00	-0.39
ATOM	3160	H	SER	317	-11.239	-0.208	-2.633	1.00	0.19
ATOM	3161	HA	SER	317	-11.013	-2.508	-0.767	1.00	0.08
ATOM	3162	HB2	SER	317	-9.832	0.277	-0.418	1.00	0.06
ATOM	3163	HB1	SER	317	-9.068	-0.976	-1.424	1.00	0.06
ATOM	3164	HG	SER	317	-9.703	-1.272	1.368	1.00	0.21
ATOM	3165	N	CYS	318	-13.371	-0.639	-0.112	1.00	-0.26
ATOM	3166	CA	CYS	318	-14.267	-0.178	0.950	1.00	0.14
ATOM	3167	C	CYS	318	-15.724	-0.328	0.562	1.00	0.20
ATOM	3168	O	CYS	318	-16.460	-1.016	1.249	1.00	-0.39
ATOM	3169	CB	CYS	318	-13.946	1.300	1.296	1.00	0.03
ATOM	3170	SG	CYS	318	-15.030	1.870	2.648	1.00	-0.17
ATOM	3171	H	CYS	318	-13.704	-0.670	-1.056	1.00	0.19
ATOM	3172	HA	CYS	318	-14.114	-0.788	1.857	1.00	0.08
ATOM	3173	HB2	CYS	318	-14.102	1.947	0.421	1.00	0.04
ATOM	3174	HB1	CYS	318	-12.897	1.394	1.616	1.00	0.04
ATOM	3175	LPG2	CYS	318	-14.296	1.015	3.323	1.00	0.00
ATOM	3176	LPG1	CYS	318	-15.170	1.355	2.732	1.00	0.00
ATOM	3177	HG	CYS	318	-14.669	2.805	2.756	1.00	0.10
ATOM	3178	N	VAL	319	-16.190	0.295	-0.542	1.00	-0.26
ATOM	3179	CA	VAL	319	-17.602	0.154	-0.895	1.00	0.13
ATOM	3180	C	VAL	319	-17.879	-1.301	-1.200	1.00	0.20
ATOM	3181	O	VAL	319	-18.863	-1.830	-0.708	1.00	-0.39
ATOM	3182	CB	VAL	319	-18.009	1.087	-2.075	1.00	-0.01
ATOM	3183	CG1	VAL	319	-19.442	0.761	-2.583	1.00	-0.06
ATOM	3184	CG2	VAL	319	-17.936	2.577	-1.633	1.00	-0.06
ATOM	3185	H	VAL	319	-15.578	0.797	-1.155	1.00	0.19
ATOM	3186	HA	VAL	319	-18.216	0.431	-0.023	1.00	0.08
ATOM	3187	HB	VAL	319	-17.312	0.928	-2.916	1.00	0.03
ATOM	3188	HG13	VAL	319	-19.485	-0.259	-2.993	1.00	0.02
ATOM	3189	HG12	VAL	319	-19.736	1.457	-3.384	1.00	0.02
ATOM	3190	HG11	VAL	319	-20.169	0.845	-1.761	1.00	0.02
ATOM	3191	HG23	VAL	319	-18.627	2.766	-0.797	1.00	0.02
ATOM	3192	HG22	VAL	319	-18.220	3.238	-2.465	1.00	0.02
ATOM	3193	HG21	VAL	319	-16.920	2.848	-1.309	1.00	0.02
ATOM	3194	N	ASP	320	-17.019	-1.963	-2.004	1.00	-0.26
ATOM	3195	CA	ASP	320	-17.228	-3.388	-2.296	1.00	0.14
ATOM	3196	C	ASP	320	-17.368	-4.169	-0.989	1.00	0.21
ATOM	3197	O	ASP	320	-18.456	-4.671	-0.739	1.00	-0.39
ATOM	3198	CB	ASP	320	-16.196	-3.821	-3.380	1.00	0.03
ATOM	3199	CG	ASP	320	-16.182	-5.286	-3.693	1.00	0.03

ATOM	3200	OD1	ASP	320	-17.018	-5.715	-4.532	1.00	-0.57
ATOM	3201	OD2	ASP	320	-15.322	-6.007	-3.125	1.00	-0.57
ATOM	3202	H	ASP	320	-16.225	-1.480	-2.389	1.00	0.19
ATOM	3203	HA	ASP	320	-18.210	-3.493	-2.791	1.00	0.08
ATOM	3204	HB2	ASP	320	-15.177	-3.523	-3.113	1.00	0.05
ATOM	3205	HB1	ASP	320	-16.427	-3.293	-4.319	1.00	0.05
ATOM	3206	N	PRO	321	-16.374	-4.287	-0.070	1.00	-0.25
ATOM	3207	CA	PRO	321	-16.666	-4.815	1.256	1.00	0.13
ATOM	3208	C	PRO	321	-17.926	-4.310	1.928	1.00	0.20
ATOM	3209	O	PRO	321	-18.690	-5.130	2.413	1.00	-0.39
ATOM	3210	CB	PRO	321	-15.408	-4.329	2.020	1.00	-0.01
ATOM	3211	CG	PRO	321	-14.296	-4.385	0.951	1.00	-0.03
ATOM	3212	CD	PRO	321	-14.995	-3.919	-0.349	1.00	0.04
ATOM	3213	HA	PRO	321	-16.677	-5.915	1.204	1.00	0.08
ATOM	3214	HB2	PRO	321	-15.183	-4.941	2.907	1.00	0.03
ATOM	3215	HB1	PRO	321	-15.522	-3.281	2.340	1.00	0.03
ATOM	3216	HG1	PRO	321	-13.420	-3.765	1.200	1.00	0.03
ATOM	3217	HG2	PRO	321	-13.976	-5.437	0.852	1.00	0.03
ATOM	3218	HD1	PRO	321	-14.904	-2.836	-0.506	1.00	0.05
ATOM	3219	HD2	PRO	321	-14.560	-4.482	-1.187	1.00	0.05
ATOM	3220	N	ILE	322	-18.188	-2.984	2.004	1.00	-0.26
ATOM	3221	CA	ILE	322	-19.360	-2.535	2.762	1.00	0.13
ATOM	3222	C	ILE	322	-20.615	-3.102	2.139	1.00	0.20
ATOM	3223	O	ILE	322	-21.479	-3.566	2.869	1.00	-0.39
ATOM	3224	CB	ILE	322	-19.473	-0.986	2.924	1.00	0.00
ATOM	3225	CG1	ILE	322	-18.345	-0.462	3.867	1.00	-0.05
ATOM	3226	CG2	ILE	322	-20.876	-0.575	3.465	1.00	-0.06
ATOM	3227	CD1	ILE	322	-18.193	1.083	3.851	1.00	-0.06
ATOM	3228	H	ILE	322	-17.602	-2.309	1.542	1.00	0.19
ATOM	3229	HA	ILE	322	-19.278	-2.952	3.777	1.00	0.08
ATOM	3230	HB	ILE	322	-19.355	-0.544	1.922	1.00	0.03
ATOM	3231	HG12	ILE	322	-17.378	-0.893	3.565	1.00	0.03
ATOM	3232	HG11	ILE	322	-18.540	-0.794	4.900	1.00	0.03
ATOM	3233	HG23	ILE	322	-21.677	-0.880	2.775	1.00	0.02
ATOM	3234	HG22	ILE	322	-20.965	0.513	3.582	1.00	0.02
ATOM	3235	HG21	ILE	322	-21.061	-1.047	4.443	1.00	0.02
ATOM	3236	HD13	ILE	322	-18.090	1.453	2.820	1.00	0.02
ATOM	3237	HD12	ILE	322	-17.292	1.372	4.413	1.00	0.02
ATOM	3238	HD11	ILE	322	-19.049	1.580	4.326	1.00	0.02
ATOM	3239	N	LEU	323	-20.752	-3.084	0.796	1.00	-0.26
ATOM	3240	CA	LEU	323	-21.964	-3.642	0.195	1.00	0.13
ATOM	3241	C	LEU	323	-22.143	-5.071	0.655	1.00	0.20
ATOM	3242	O	LEU	323	-23.239	-5.465	1.029	1.00	-0.39
ATOM	3243	CB	LEU	323	-21.926	-3.627	-1.359	1.00	-0.01
ATOM	3244	CG	LEU	323	-22.002	-2.205	-1.996	1.00	-0.04
ATOM	3245	CD1	LEU	323	-21.688	-2.300	-3.516	1.00	-0.06
ATOM	3246	CD2	LEU	323	-23.388	-1.529	-1.793	1.00	-0.06
ATOM	3247	H	LEU	323	-20.015	-2.727	0.209	1.00	0.19
ATOM	3248	HA	LEU	323	-22.837	-3.086	0.563	1.00	0.08
ATOM	3249	HB2	LEU	323	-22.766	-4.226	-1.748	1.00	0.03
ATOM	3250	HB1	LEU	323	-20.992	-4.124	-1.670	1.00	0.03
ATOM	3251	HG	LEU	323	-21.242	-1.555	-1.535	1.00	0.03
ATOM	3252	HD13	LEU	323	-20.682	-2.718	-3.679	1.00	0.02
ATOM	3253	HD12	LEU	323	-21.722	-1.304	-3.986	1.00	0.02
ATOM	3254	HD11	LEU	323	-22.422	-2.948	-4.019	1.00	0.02
ATOM	3255	HD23	LEU	323	-24.191	-2.173	-2.182	1.00	0.02
ATOM	3256	HD22	LEU	323	-23.424	-0.568	-2.330	1.00	0.02
ATOM	3257	HD21	LEU	323	-23.588	-1.316	-0.733	1.00	0.02

ATOM	3258	N	TYR	324	-21.073	-5.890	0.644	1.00	-0.26
ATOM	3259	CA	TYR	324	-21.246	-7.259	1.120	1.00	0.14
ATOM	3260	C	TYR	324	-21.419	-7.295	2.619	1.00	0.21
ATOM	3261	O	TYR	324	-22.128	-8.159	3.116	1.00	-0.39
ATOM	3262	CB	TYR	324	-20.058	-8.156	0.716	1.00	0.02
ATOM	3263	CG	TYR	324	-19.757	-8.010	-0.784	1.00	-0.05
ATOM	3264	CD1	TYR	324	-20.744	-8.139	-1.770	1.00	-0.07
ATOM	3265	CD2	TYR	324	-18.449	-7.728	-1.182	1.00	-0.07
ATOM	3266	CE1	TYR	324	-20.422	-7.978	-3.122	1.00	-0.04
ATOM	3267	CE2	TYR	324	-18.101	-7.717	-2.533	1.00	-0.04
ATOM	3268	CZ	TYR	324	-19.103	-7.730	-3.506	1.00	0.08
ATOM	3269	OH	TYR	324	-18.804	-7.489	-4.847	1.00	-0.34
ATOM	3270	H	TYR	324	-20.163	-5.566	0.355	1.00	0.19
ATOM	3271	HA	TYR	324	-22.162	-7.677	0.680	1.00	0.08
ATOM	3272	HB1	TYR	324	-20.277	-9.208	0.953	1.00	0.05
ATOM	3273	HB2	TYR	324	-19.191	-7.850	1.322	1.00	0.05
ATOM	3274	HD1	TYR	324	-21.771	-8.359	-1.510	1.00	0.05
ATOM	3275	HD2	TYR	324	-17.696	-7.506	-0.441	1.00	0.05
ATOM	3276	HE1	TYR	324	-21.194	-8.042	-3.880	1.00	0.05
ATOM	3277	HE2	TYR	324	-17.057	-7.696	-2.819	1.00	0.05
ATOM	3278	HH	TYR	324	-18.073	-6.869	-4.915	1.00	0.25
ATOM	3279	N	PHE	325	-20.786	-6.375	3.380	1.00	-0.26
ATOM	3280	CA	PHE	325	-21.015	-6.385	4.818	1.00	0.14
ATOM	3281	C	PHE	325	-22.502	-6.178	5.032	1.00	0.21
ATOM	3282	O	PHE	325	-23.118	-6.930	5.778	1.00	-0.39
ATOM	3283	CB	PHE	325	-20.215	-5.338	5.635	1.00	0.02
ATOM	3284	CG	PHE	325	-18.683	-5.502	5.614	1.00	-0.04
ATOM	3285	CD1	PHE	325	-18.008	-6.449	4.831	1.00	-0.06
ATOM	3286	CD2	PHE	325	-17.928	-4.652	6.431	1.00	-0.06
ATOM	3287	CE1	PHE	325	-16.613	-6.518	4.844	1.00	-0.07
ATOM	3288	CE2	PHE	325	-16.536	-4.762	6.494	1.00	-0.07
ATOM	3289	CZ	PHE	325	-15.873	-5.703	5.703	1.00	-0.07
ATOM	3290	H	PHE	325	-20.189	-5.671	2.983	1.00	0.19
ATOM	3291	HA	PHE	325	-20.707	-7.372	5.182	1.00	0.08
ATOM	3292	HB2	PHE	325	-20.530	-5.424	6.688	1.00	0.05
ATOM	3293	HB1	PHE	325	-20.479	-4.329	5.290	1.00	0.05
ATOM	3294	HD1	PHE	325	-18.540	-7.146	4.196	1.00	0.06
ATOM	3295	HD2	PHE	325	-18.425	-3.895	7.031	1.00	0.06
ATOM	3296	HE1	PHE	325	-16.103	-7.206	4.180	1.00	0.06
ATOM	3297	HE2	PHE	325	-15.974	-4.114	7.158	1.00	0.06
ATOM	3298	HZ	PHE	325	-14.793	-5.801	5.751	1.00	0.06
ATOM	3299	N	LEU	326	-23.081	-5.163	4.349	1.00	-0.26
ATOM	3300	CA	LEU	326	-24.526	-4.963	4.412	1.00	0.13
ATOM	3301	C	LEU	326	-25.217	-6.234	3.973	1.00	0.20
ATOM	3302	O	LEU	326	-26.039	-6.733	4.726	1.00	-0.39
ATOM	3303	CB	LEU	326	-25.022	-3.797	3.507	1.00	-0.01
ATOM	3304	CG	LEU	326	-24.678	-2.374	4.045	1.00	-0.04
ATOM	3305	CD1	LEU	326	-24.849	-1.321	2.913	1.00	-0.06
ATOM	3306	CD2	LEU	326	-25.587	-1.980	5.244	1.00	-0.06
ATOM	3307	H	LEU	326	-22.537	-4.567	3.747	1.00	0.19
ATOM	3308	HA	LEU	326	-24.813	-4.767	5.455	1.00	0.08
ATOM	3309	HB2	LEU	326	-26.115	-3.868	3.381	1.00	0.03
ATOM	3310	HB1	LEU	326	-24.574	-3.928	2.511	1.00	0.03
ATOM	3311	HG	LEU	326	-23.622	-2.349	4.367	1.00	0.03
ATOM	3312	HD13	LEU	326	-24.194	-1.552	2.059	1.00	0.02
ATOM	3313	HD12	LEU	326	-24.586	-0.314	3.273	1.00	0.02
ATOM	3314	HD11	LEU	326	-25.892	-1.306	2.559	1.00	0.02
ATOM	3315	HD23	LEU	326	-26.649	-2.112	4.988	1.00	0.02

ATOM	3316	HD22LEU	326	-25.436	-0.921	5.494	1.00	0.02
ATOM	3317	HD21LEU	326	-25.367	-2.577	6.141	1.00	0.02
ATOM	3318	N ALA	327	-24.917	-6.796	2.780	1.00	-0.26
ATOM	3319	CA ALA	327	-25.646	-7.994	2.356	1.00	0.13
ATOM	3320	C ALA	327	-25.598	-9.068	3.421	1.00	0.20
ATOM	3321	O ALA	327	-26.623	-9.642	3.755	1.00	-0.39
ATOM	3322	CB ALA	327	-25.100	-8.596	1.037	1.00	-0.02
ATOM	3323	H ALA	327	-24.226	-6.389	2.172	1.00	0.19
ATOM	3324	HA ALA	327	-26.698	-7.705	2.194	1.00	0.08
ATOM	3325	HB3 ALA	327	-24.089	-8.995	1.194	1.00	0.03
ATOM	3326	HB2 ALA	327	-25.066	-7.829	0.247	1.00	0.03
ATOM	3327	HB1 ALA	327	-25.747	-9.421	0.700	1.00	0.03
ATOM	3328	N GLY	328	-24.414	-9.371	3.994	1.00	-0.27
ATOM	3329	CA GLY	328	-24.395	-10.378	5.053	1.00	0.12
ATOM	3330	C GLY	328	-25.205	-9.943	6.255	1.00	0.20
ATOM	3331	O GLY	328	-25.661	-10.810	6.984	1.00	-0.39
ATOM	3332	H GLY	328	-23.566	-8.898	3.727	1.00	0.19
ATOM	3333	HA1 GLY	328	-24.831	-11.307	4.659	1.00	0.08
ATOM	3334	HA2 GLY	328	-23.372	-10.620	5.375	1.00	0.08
ATOM	3335	N ASP	329	-25.421	-8.629	6.503	1.00	-0.26
ATOM	3336	CA ASP	329	-26.358	-8.232	7.559	1.00	0.14
ATOM	3337	C ASP	329	-27.751	-8.478	7.027	1.00	0.21
ATOM	3338	O ASP	329	-28.557	-9.043	7.745	1.00	-0.39
ATOM	3339	CB ASP	329	-26.232	-6.765	8.068	1.00	0.03
ATOM	3340	CG ASP	329	-25.738	-6.764	9.491	1.00	0.03
ATOM	3341	OD1 ASP	329	-24.508	-6.858	9.759	1.00	-0.57
ATOM	3342	OD2 ASP	329	-26.575	-6.738	10.436	1.00	-0.57
ATOM	3343	H ASP	329	-25.068	-7.921	5.888	1.00	0.19
ATOM	3344	HA ASP	329	-26.235	-8.903	8.426	1.00	0.08
ATOM	3345	HB2 ASP	329	-27.219	-6.287	8.072	1.00	0.05
ATOM	3346	HB1 ASP	329	-25.586	-6.147	7.434	1.00	0.05
ATOM	3347	N THR	330	-28.084	-8.088	5.779	1.00	-0.26
ATOM	3348	CA THR	330	-29.398	-8.452	5.249	1.00	0.16
ATOM	3349	C THR	330	-29.611	-9.942	5.405	1.00	0.21
ATOM	3350	O THR	330	-30.718	-10.357	5.706	1.00	-0.39
ATOM	3351	CB THR	330	-29.541	-8.065	3.752	1.00	0.09
ATOM	3352	OG1 THR	330	-29.183	-6.676	3.623	1.00	-0.39
ATOM	3353	CG2 THR	330	-30.986	-8.296	3.233	1.00	-0.03
ATOM	3354	H THR	330	-27.446	-7.579	5.192	1.00	0.19
ATOM	3355	HA THR	330	-30.163	-7.915	5.832	1.00	0.08
ATOM	3356	HB THR	330	-28.848	-8.685	3.159	1.00	0.06
ATOM	3357	HG1 THR	330	-29.215	-6.359	2.726	1.00	0.21
ATOM	3358	HG22THR	330	-31.059	-8.003	2.174	1.00	0.03
ATOM	3359	HG21THR	330	-31.698	-7.688	3.813	1.00	0.03
ATOM	3360	HG23THR	330	-31.271	-9.355	3.317	1.00	0.03
ATOM	3361	N PHE	331	-28.566	-10.775	5.207	1.00	-0.26
ATOM	3362	CA PHE	331	-28.729	-12.206	5.459	1.00	0.14
ATOM	3363	C PHE	331	-28.848	-12.467	6.947	1.00	0.21
ATOM	3364	O PHE	331	-29.699	-13.252	7.334	1.00	-0.39
ATOM	3365	CB PHE	331	-27.545	-13.032	4.888	1.00	0.02
ATOM	3366	CG PHE	331	-27.196	-12.752	3.414	1.00	-0.04
ATOM	3367	CD1 PHE	331	-28.037	-12.041	2.546	1.00	-0.06
ATOM	3368	CD2 PHE	331	-25.976	-13.232	2.923	1.00	-0.06
ATOM	3369	CE1 PHE	331	-27.643	-11.779	1.231	1.00	-0.07
ATOM	3370	CE2 PHE	331	-25.585	-12.986	1.604	1.00	-0.07
ATOM	3371	CZ PHE	331	-26.420	-12.257	0.754	1.00	-0.07
ATOM	3372	H PHE	331	-27.670	-10.420	4.918	1.00	0.19
ATOM	3373	HA PHE	331	-29.660	-12.563	4.986	1.00	0.08

ATOM	3374	HB2 PHE	331	-27.767	-14.106	4.990	1.00	0.05
ATOM	3375	HB1 PHE	331	-26.654	-12.812	5.497	1.00	0.05
ATOM	3376	HD1 PHE	331	-29.006	-11.680	2.868	1.00	0.06
ATOM	3377	HD2 PHE	331	-25.320	-13.806	3.570	1.00	0.06
ATOM	3378	HE1 PHE	331	-28.290	-11.203	0.576	1.00	0.06
ATOM	3379	HE2 PHE	331	-24.635	-13.364	1.239	1.00	0.06
ATOM	3380	HZ PHE	331	-26.125	-12.065	-0.272	1.00	0.06
ATOM	3381	N ARG	332	-28.015	-11.837	7.809	1.00	-0.26
ATOM	3382	CA ARG	332	-28.209	-11.965	9.256	1.00	0.13
ATOM	3383	C ARG	332	-29.074	-10.816	9.736	1.00	0.25
ATOM	3384	O ARG	332	-28.664	-10.015	10.567	1.00	-0.33
ATOM	3385	CB ARG	332	-26.853	-11.983	10.020	1.00	-0.01
ATOM	3386	CG ARG	332	-27.082	-12.300	11.531	1.00	-0.02
ATOM	3387	CD ARG	332	-26.020	-11.723	12.522	1.00	0.06
ATOM	3388	NE ARG	332	-25.035	-10.739	12.044	1.00	-0.27
ATOM	3389	CZ ARG	332	-25.309	-9.494	11.715	1.00	0.29
ATOM	3390	NH1 ARG	332	-26.527	-9.028	11.613	1.00	-0.28
ATOM	3391	NH2 ARG	332	-24.309	-8.684	11.472	1.00	-0.28
ATOM	3392	H ARG	332	-27.310	-11.205	7.477	1.00	0.19
ATOM	3393	HA ARG	332	-28.736	-12.901	9.503	1.00	0.08
ATOM	3394	HB2 ARG	332	-26.374	-11.009	9.862	1.00	0.03
ATOM	3395	HB1 ARG	332	-26.188	-12.743	9.576	1.00	0.03
ATOM	3396	HG2 ARG	332	-27.149	-13.397	11.635	1.00	0.03
ATOM	3397	HG1 ARG	332	-28.066	-11.938	11.867	1.00	0.03
ATOM	3398	HD2 ARG	332	-25.453	-12.588	12.914	1.00	0.07
ATOM	3399	HD1 ARG	332	-26.517	-11.290	13.408	1.00	0.07
ATOM	3400	HE ARG	332	-24.048	-11.042	12.043	1.00	0.26
ATOM	3401	HH11ARG	332	-27.354	-9.629	11.719	1.00	0.26
ATOM	3402	HH12ARG	332	-26.698	-8.041	11.349	1.00	0.26
ATOM	3403	HH21ARG	332	-23.335	-8.993	11.530	1.00	0.26
ATOM	3404	HH22ARG	332	-24.470	-7.698	11.197	1.00	0.26
TER	3405	ARG	332					
HETATM	3406	N NH	1	-33.511	-5.847	18.096	1.00	-0.24
HETATM	3407	H NH	1	-32.742	-6.393	18.465	1.00	0.20
HETATM	3408	N NH	2	1.112	21.661	0.436	1.00	-0.85
HETATM	3409	H NH	2	1.000	21.413	1.407	1.00	-0.15
HETATM	3410	N NH	3	-19.579	-13.598	9.389	1.00	-0.24
HETATM	3411	H NH	3	-20.112	-13.019	10.017	1.00	0.20
HETATM	3412	N NH	4	12.511	0.741	2.419	1.00	-0.24
HETATM	3413	H NH	4	11.917	1.269	1.798	1.00	0.20
HETATM	3414	N NH	5	-13.908	-25.050	5.295	1.00	-0.35
HETATM	3415	H NH	5	-14.903	-25.042	5.480	1.00	0.18
HETATM	3416	H NH	5	-13.529	-24.377	4.635	1.00	0.18
HETATM	3417	N NH	6	13.466	9.682	-4.478	1.00	-0.24
HETATM	3418	H NH	6	13.261	9.962	-5.428	1.00	0.20
HETATM	3419	N NH	7	-30.247	-10.704	9.261	1.00	-0.24
HETATM	3420	H NH	7	-30.840	-9.937	9.537	1.00	0.20
HETATM	3421	N2 MRS	8	-3.940	4.810	0.487	1.00	-0.30
HETATM	3422	C1 MRS	8	-3.064	3.970	0.858	1.00	0.11
HETATM	3423	N5 MRS	8	-3.535	2.751	0.848	1.00	-0.19
HETATM	3424	C4 MRS	8	-4.819	2.831	0.419	1.00	0.16
HETATM	3425	C3 MRS	8	-5.085	4.174	0.205	1.00	0.10
HETATM	3426	C6 MRS	8	-6.339	4.613	-0.215	1.00	0.12
HETATM	3427	N7 MRS	8	-7.246	3.648	-0.487	1.00	-0.27
HETATM	3428	C8 MRS	8	-6.963	2.334	-0.305	1.00	0.05
HETATM	3429	N9 MRS	8	-5.774	1.914	0.186	1.00	-0.27
HETATM	3430	H22 MRS	8	-7.710	1.593	-0.561	1.00	0.10
HETATM	3431	N10 MRS	8	-6.653	5.983	-0.342	1.00	-0.25

HETATM 3432	C23 MRS	8	-6.312	6.914	0.752	1.00	0.01
HETATM 3433	H28 MRS	8	-5.223	7.041	0.847	1.00	0.04
HETATM 3434	H39 MRS	8	-6.709	6.525	1.702	1.00	0.04
HETATM 3435	H40 MRS	8	-6.766	7.898	0.561	1.00	0.04
HETATM 3436	H24 MRS	8	-6.305	6.358	-1.298	1.00	0.16
HETATM 3437	C11 MRS	8	-2.821	1.528	1.201	1.00	0.18
HETATM 3438	O12 MRS	8	-1.401	1.826	1.337	1.00	-0.34
HETATM 3439	C13 MRS	8	-0.674	0.850	0.561	1.00	0.11
HETATM 3440	C14 MRS	8	-1.608	0.795	-0.657	1.00	0.07
HETATM 3441	C15 MRS	8	-2.940	0.505	0.038	1.00	0.03
HETATM 3442	H17 MRS	8	-3.798	0.638	-0.635	1.00	0.03
HETATM 3443	H27 MRS	8	-2.942	-0.537	0.397	1.00	0.03
HETATM 3444	O18 MRS	8	-1.274	-0.102	-1.717	1.00	-0.43
HETATM 3445	P29 MRS	8	-0.710	-1.586	-1.599	1.00	0.30
HETATM 3446	O36 MRS	8	0.645	-1.472	-2.209	1.00	-0.41
HETATM 3447	O37 MRS	8	-0.553	-2.073	-0.086	1.00	-0.31
HETATM 3448	O38 MRS	8	-1.687	-2.582	-2.375	1.00	-0.31
HETATM 3449	H26 MRS	8	-1.649	1.815	-1.062	1.00	0.06
HETATM 3450	C19 MRS	8	0.811	1.090	0.170	1.00	0.05
HETATM 3451	O20 MRS	8	1.061	1.981	-0.933	1.00	-0.43
HETATM 3452	P32 MRS	8	2.599	2.251	-1.283	1.00	0.30
HETATM 3453	O33 MRS	8	3.286	0.932	-1.375	1.00	-0.41
HETATM 3454	O34 MRS	8	3.273	3.181	-0.170	1.00	-0.31
HETATM 3455	O35 MRS	8	2.649	3.086	-2.652	1.00	-0.31
HETATM 3456	H30 MRS	8	1.373	1.440	1.042	1.00	0.06
HETATM 3457	H31 MRS	8	1.220	0.110	-0.114	1.00	0.06
HETATM 3458	H25 MRS	8	-0.710	-0.076	1.158	1.00	0.06
HETATM 3459	H16 MRS	8	-3.239	1.093	2.121	1.00	0.10
HETATM 3460	H21 MRS	8	-2.059	4.256	1.153	1.00	0.14
HETATM 3461	N NH	9	-13.543	-22.173	5.459	1.00	-0.24
HETATM 3462	H NH	9	-14.303	-21.545	5.248	1.00	0.20
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